ORDER NO. BSD0210M003-1
D25

Service Manual

Revision 1

DVCPRO 50

Sec. 1 *Service Information*
Sec. 2 *Disassembly Procedures*
Sec. 3 *Mechanical Adjustment*
Sec. 4 *Electrical Adjustment*
Sec. 5 *Block Diagrams*
Sec. 6 *Schematic Diagrams*
Sec. 7 *Circuit Board Diagrams*
Sec. 8 *Exploded Views & Replacement Parts List*

Digital Video Cassette Recorder

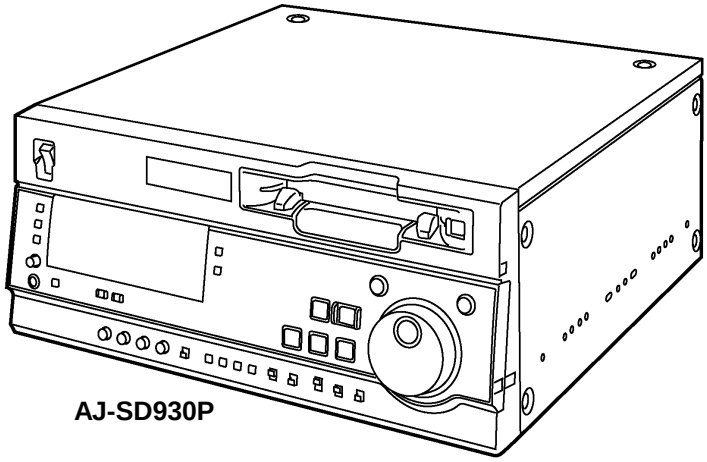
AJ-SD930P
AJ-SD955AP

Analog Video Input Board

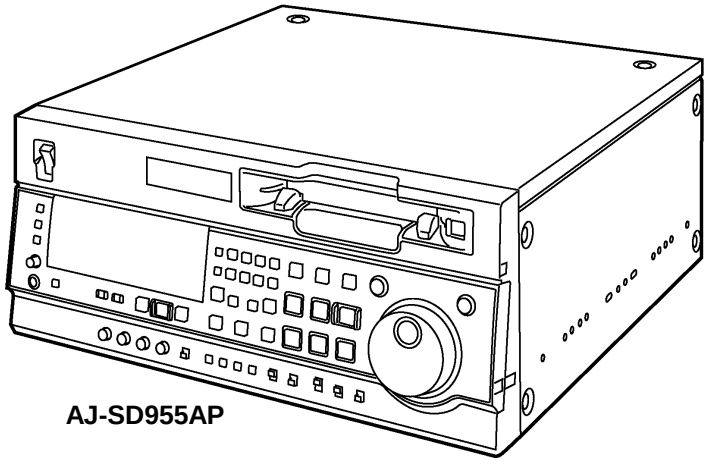
AJ-YA931G
(NTSC)
AJ-YA932G
(PAL)

SDTI Interface Board

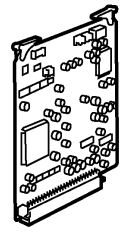
AJ-YAC930G



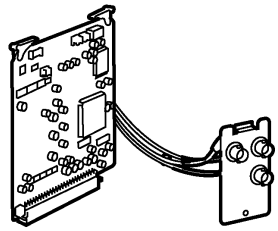
AJ-SD930P



AJ-SD955AP



AJ-YA931G
AJ-YA932G



AJ-YAC930G

Panasonic®

© 2002 Matsushita Electric Industrial Co., Ltd. All rights reserved.
Unauthorized copying and distribution is a violation of law.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

AJ-SD930P/ AJ-SD955AP

Specifications

[GENERAL]

Power supply: AC 100 – 240 V, 50 – 60 Hz
Power consumption: 120 W (with all options)

indicates safety information.

Operating ambient temperature:
41°F to 104°F (5°C to 40°C)

Operating ambient humidity:
10% to 80% (no condensation)

Weight:
AJ-SD930 : 32.78 lb (14.9 kg)
AJ-SD955A : 33.0 lb (15.0 kg)

Dimensions (W×H×D):
16 3/4×6 15/16×16 15/16 inch (424×175.2×430 mm)
(Not including the support legs, connectors, and JOG dial)

Recording format:
DVCPRO50/DVCPRO format selectable

Recording video signal:
AJ-SD930 : 525i system
AJ-SD955A : 525i/625i system selectable

Recording audio signal:
DVCPRO50:
48 kHz 16-bit 4 channels
DVCPRO:
48 kHz 16-bit 2 channels

Recording tracks:
Digital video audio:
helical track
The time code is recorded in the sub-code area.
Cue track:
1 track
Control track:
1 track

Tape speed:
[525i system]
67.640 mm/sec (DVCPRO50)
[625i system] **SD955A**
67.708 mm/sec (DVCPRO50)

Recording time:
92 minutes (using the AJ-5P92LP)
33 minutes (using the AJ-5P33MP)

Tape:
Metal tape

FF/REW time:
Less than 3 min (with AJ-5P92LP)
Less than 2 min (with AJ-5P33MP)

Digital slow:
–0.43× to +0.43×, +0.5×, +0.75× speed
(DVCPRO, DVCPRO50)

Editing accuracy:
±0 frames (using the time code)

Tape timer accuracy:
±1 frame (using the continuous CTL signal)

Servo lock time:
Less than 0.5 sec (color framing/standby ON)

[VIDEO]

■Digital video

Sampling frequencies:
Y: 13.5 MHz, PB/PR: 6.75 MHz
(DVCPRO50)

Quantizing:
8 bits

Video compression method:
DV-Based compression (SMPTE 314M)

Video compression rate:
DVCPRO50: 1/3.3,
DVCPRO: 1/5

Error correction:
Reed-Solomon product code

Bit rate:
DVCPRO50: 50 Mbps,
DVCPRO: 25 Mbps

■Digital IN/Analog Component OUT

Video bandwidth:
[525i system]
Y : 30 Hz to 5.75 MHz (±0.5 dB)
PB/PR : 30 Hz to 2.75 MHz (±0.5 dB)
[625i system] **SD955A**
Y : 25 Hz to 5.75 MHz (±1.0 dB)
PB/PR : 25 Hz to 2.75 MHz (±1.0 dB)

S/N ratio:
Better than 60 dB

K factor:
Less than 1%

Y/PB, PR delay:
Less than 10 ns

■Video input connector

Analog component input (option):
BNC×3 (Y, PB, PR)
Y: 1.0 V [p-p], PB/PR: 0.486/0.7 V [p-p] switchable,
75Ω (75% color bar, 7.5% setup)

Analog composite input (option):
BNC×2, loop-through, 75Ω on/off
VIDEO:1.0 V [p-p] (75Ω)

Reference input:
Analog composite, BNC×2, loop-through, 75Ω on/off

Serial digital component input:
BNC×2, active through, complies with SMPTE 259M-C standard

SDTI input (option):
BNC×1, complies with SMPTE 305M/321M standard

[VIDEO]

■ Video Output Connector

Analog component output:
BNC×3 (Y, PB, PR)
Y: 1.0 V [p-p], PB/PR: 0.486/0.7 V [p-p] switchable,
75Ω (75% color bar, 7.5% setup)

Analog composite output:
BNC×3, video 1, video 2 (video/WFM selectable), video 3 (superimpose on/off)

Serial digital component output:
BNC×3, complies with SMPTE 259M-C standard
SDI 1, SDI 2, SDI 3 (superimpose on/off)

SDTI output (option):
BNC×2, complies with SMPTE 305M/321M standard

■ Video Signal Adjustment

Video output gain:
±3 dB

Video output chroma gain:
±3 dB

Video output HUE (chroma phase):
±30°

Video output setup (black) level:
±14 IRE (±100 mV)

Video output sync phase:
±15 µsec

Video output SC phase:
±180°

[AUDIO]

■ Digital Audio

Sampling frequencies:
48 kHz (synchronous with video)

Quantizing:
16 bits

Frequency response:
20 Hz to 20 kHz ±1.0 dB (at the reference level)

Dynamic range:
Better than 90 dB (1 kHz, emphasis OFF, "A" weighted)

Distortion:
Less than 0.05% (1 kHz, emphasis OFF, reference level)

Crosstalk:
Less than –80 dB (1 kHz, between 2 channels)

Wow & flutter:
Below measurable limit

Headroom:
20 dB

De-emphasis:
T1 = 50 µsec, T2 = 15 µsec (auto on/off)

■ Cue Track

Frequency response:
300 Hz to 6 kHz ±3.0 dB (DVCPRO50)

[AUDIO]

■ Audio Input Connector

Analog input (CH1, CH2, CH3, CH4):
XLR×4, 600Ω/high impedance selectable (factory setting: high impedance), +4/0/–20 dBu selectable

Digital input (CH1/CH2, CH3/CH4):
BNC×2, AES/EBU format

Serial digital input:
BNC×2, active through, complies with SMPTE 259M-C/272M-A standard

■ Audio Output Connector

Analog output (CH1, CH2, CH3, CH4):
XLR×4, low impedance, +4/0/–20 dBu selectable

Digital output (CH1/CH2, CH3/CH4):
BNC×2, AES/EBU format,
75Ω, 1.0 ± 0.2 V [p-p]

Serial digital output:
BNC×3, 75Ω, complies with SMPTE 259M-C/272M-A standard

Monitor output:
XLR×2, low impedance, +4/0/–20 dBu selectable

Headphones:
Stereo mini jack, 8Ω, variable level

[Other Input/Output Connectors]

Time code input:
XLR×1, 0.5 V to 8.0 V [p-p], 10 kΩ

Time code output:
XLR×1, low impedance, 2.0 V ± 0.5 V [p-p]

RS-422A input:
D-sub 9-pin, RS-422A interface

RS-422A output:
D-sub 9-pin, RS-422A interface

RS-232C:
D-sub 25-pin, RS-232C interface

Parallel input/output:
D-sub 25-pin

Encoder remote:
D-sub 15-pin

Weight and dimensions when shown are approxlmately.
Speclilcailons are subject to change without notice.

AJ-YA931G / AJ-YA932G

Specifications

Dimensions (W×H×D):
5×5 7/8×5/8 inch (127×148×15 mm)
Weight:
0.275 lb (125 g)
Analog component input:
BNC×3 (Y, P_B, P_R)
Y: 1.0 V [p-p], 75 Ω
P_B/P_R:
AJ-YA931G; 0.525/0.757 V [p-p] switchable, 75 Ω
AJ-YA932G; 0.7 V [p-p], 75 Ω
Analog composite input:
BNC×2, loop through, 75 Ω ON/OFF switchable
VIDEO: 1.0 V [p-p], 75 Ω ON

AJ-YAC930G

Specifications

■ SDTI board

Dimensions (W×H×D):
5 11/16×5 7/8×9/16 inch (143×148×13 mm)
Weight:
0.2244 lb (102 g)

■ Input/Output:

SDTI IN (audio/video data):
BNC×1
(complies to the SMPTE 305M/321M standard)
SDTI OUT (audio/video data):
BNC×2
(complies to the SMPTE 305M/321M standard)

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

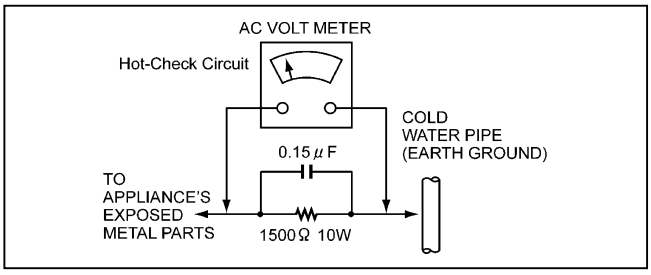


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, in parallel with a 0.15μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of Pbf PCB:
PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.
Caution:

1. Pb free solder has a higher melting point than standard solder; Typically the melting point is 50–70˚F (30-40˚C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700±20˚F (370±10˚C).
2. Pb free solder will tend to splash when heated too high (about 1100˚F/600˚C).

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

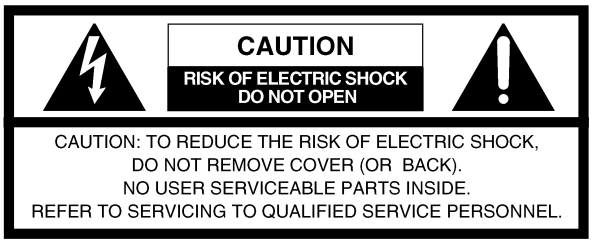
1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

Note : It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV,±0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

IMPORTANT

"Unauthorized recording of copyrighted television programs, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."





The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

■ **THIS APPARATUS MUST BE GROUNDED**

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power outlet which is effectively grounded through normal household wiring.

Extension cords used with the equipment must be three-core and be correctly wired to provide connection to the ground. Incorrectly wired extension cords can be extremely hazardous.

The fact that the equipment operates satisfactorily does not imply that it is grounded, and the installation is not necessarily safe. For your safety, if in any doubt about the effective grounding of the equipment or power outlet, please consult a qualified electrician.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS-USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

- **Keep the temperature inside the rack to between 41°F to 104°F (5°C to 40°C).**
- **Bolt the rack securely to the floor so that it will not topple over when VTR is drawn out.**

FCC Note:

This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION:

This apparatus can be operated at a voltage in the range of 100 – 240 V AC.

Voltage other than 120 V is not intended for U.S.A. and Canada.

CAUTION:

Operation at a voltage other than 120 V AC may require the use of a different AC plug. Please contact either a local or foreign Panasonic authorized service center for assistance in selecting an alternate AC plug.

▭ indicates safety information.

AJ-YA931G / AJ-YA932G

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO AUTHORIZED SERVICE PERSONNEL.

indicates safety information.

AJ-YAC930G

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO AUTHORIZED SERVICE PERSONNEL.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

indicates safety information.

Panasonic®

FCD0211NTIK83K84

SECTION 1

SERVICE INFORMATION

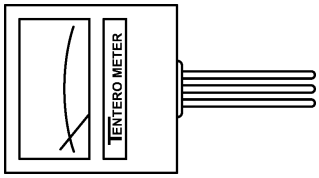
CONTENTS

1. SERVICING FIXTURES & TOOLS....INF-1
2. ALIGNMENT TAPE....INF-4
   2-1. VFM3580KM / L (NTSC) (25M adjustment tape....INF-4
   2-2. VFM3581KM / L (NTSC) (LISTA adjustment tape) INF-4
   2-3. VFM3582KM / L (NTSC) (X-value adjustment tape) INF-4
   2-4. VFM3380KM (NTSC) (50 M adjustment tape) INF-4
   2-5. VFM3010EDS / L (NTSC) (DV adjustment tape) INF-4
   2-6. VFM3000EDS / L (DV (LISTA) adjustment tape) INF-5
   2-7. VFM3680KM / L (PAL) (25 M adjustment tape) INF-5
3. LIST OF RECOMMENDED MEASURING INSTRUMENTS INF-5
4. MAINTENANCE....INF-6
   4-1. Maintenance Schedule INF-6
   4-2. Layout of the Maintenance Parts....INF-7
5. MANUAL TAPE EJECT (Emergency Eject) INF-8
6. CLEANING METHOD....INF-9
   6-1. Cylinder Head Cleaning Method:(Daily) INF-9
   6-2. Cylinder Lead Cleaning Method:(Weekly) INF-9
   6-3. A/C Head Cleaning Method:(Weekly)....INF-9
   6-4. Pinch Roller and Capstan Shaft Cleaning Method:(Weekly) INF-9
   6-5. Post Cleaning Method:(Weekly) INF-9
7. SOFTWARE VERSION DISPLAY INF-10
   7-1. SOFTWARE & PLD VERSION....INF-10
   7-2. SOFTWARE VERSION & CHECK SUM INF-11
8. ERROR RATE DISPLAY INF-12
9. HOUR METER DISPLAY INF-14
10 TP & MAIN SIGNAL FOR TAPE PATH CONFIRMATION....INF-15
11. INTERNAL SWITCH SETTING METHOD....INF-17
12. SOFTWARE VERSION UPGRADE METHOD....INF-18
   12-1. Microcomputer (FLASH) /PLD Chart INF-18
   12-2. Flash ROM Software Version Up Procedure....INF-19
   12-3. PLD Version Upgrade Procedure INF-25
13. SERVICE MENU....INF-32
   13-1. Service Menu Operation Method....INF-32
   13-2. DEFAULT Operation....INF-33
   13-3. Service Menu Contents INF-34
14. ERROR MESSAGES....INF-56
15. APPENDIX....INF-59
   15-1. FLASH ROM VERSION UP PROCEDURE for I/F ROM using
      Flash memory version up tool (VFK1304A)....INF-60
16. CIRCUIT BOARD LAYOUT DRAWING....INF-63

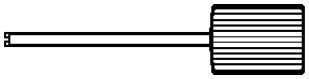
1. SERVICING FIXTURES & TOOLS

NO	NEW	PART NO.	FIXTURE & TOOL NAME	REMARKS
1		VFK1145A	Back Tension Meter	
2		VFK1149A	Post Driver	
3		VFK71A	Dial Torque Gauge (1.5 cN·m)	150 g
4		VFK1191A	Dial Torque Gauge (0.45 cN·m)	45 g
5		VFK1152	Dial Torque Gauge Adapter	
6		VFK0357	Eccentric Screwdriver (1.5 mm)	
7		VFK1154	Post Height Fixture	
8		VFK1153	Mech. Neutral Plate	
9		VFK1155	REV Position Tool (silver)	
10		VFK1156	PLAY Position Tool (black)	
11		VFK1208	Neutral Position Tool (black with hole)	
12		VFK1150A	Nut Driver (5.5 mm)	
13		VFK1151	Nut Driver (2.5 mm)	
14		VFK1188A	Dial Tension Gauge	
15		VFK0948A	Check Light	
16		VFK0749	Froiral Grease (white)	for plastics part
17		MOR265	Morlytone Grease (black)	for metal part
18		VFK1146A	Philips Driver (Fine) (00-75)	
19		VFK1147A	Philips Driver (Fine) (00-100)	
20		VFK1148A	Hex. Driver (1.5 mm)	
21		VFK1178	Hex. Driver (0.89 mm)	
22		VFK1179	Hex. Driver (0.71 mm)	
23		VFK1190	Hex. Wrench	
24		VFK1209A	Torque Driver (4 cN·m-30 cN·m)	0.4 kgf·cm –3 kgf·cm
25		VFK1375	Post Axis Driver (1.5 mm)	
26		VFK1300	A/D Board (DAQ-12 Quatech)	
27		VFM3580KM	DVCPRO Alignment Tape (No.1)	or VFM3580KL (NTSC)
27		VFM3680KM	DVCPRO Alignment Tape (No.1)	or VFM3680KL (PAL)
28		VFM3581KM	DVCPRO Alignment Tape (No.2)	or VFM3581KL
29		VFM3582KM	DVCPRO Alignment Tape (No.3)	or VFM3582KL
30		VFM3380KM	DVCPRO50 Alignment Tape	
31		VFM3010EDS	DV Alignment Tape (Color Bars)	or VFM3010EDL
32		VFM3000EDS	DV Alignment Tape for LISTA	or VFM3000EDL
33		AJ-CL12MP	Cleaning Tape	SALES Route
34		VFK1423	Tape Beg./End Detection Cassette	
35		VFK1192	F Extender Board	
36		VFK1496	Extender Board	
37		VFK1481E	LISTA Software	
38		VFK1186	LISTA Cable	
39	New	VFK1248L	Flash ROM Version Up Software	It is in Factory website
40		VFK1590	C PLD Writer	
41		VFK1304A	Flash Memory Version up Tool	
42		VFK0906	Lubrication Oil	
43		VZZ0095	Cleaning Cloth	
44	New	VFK1806	RF Adjustment Software	It is in Factory website
45	New	VFK1803	Extension Cable for Front Panel	
46		-----	EE Cleaner	Camera/Electrical Appliances mass merchandisers

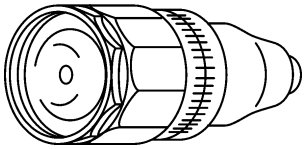
1 **VFK1145A**
Back Tension Meter



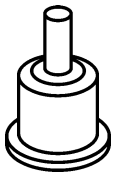
2 **VFK1149A**
Post Driver



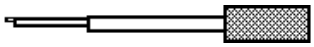
3 **VFK71A**
4 **VFK1191A**
Dial Torque Gauge



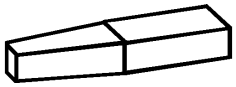
5 **VFK1152**
Dial Torque Gauge Adapter



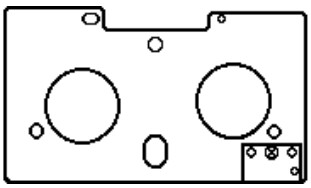
6 **VFK0357**
Eccentric Screwdriver (1.5 mm)



7 **VFK1154**
Post Height Fixture



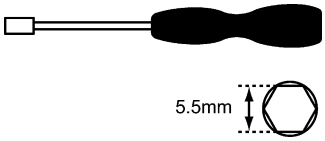
8 **VFK1153**
Mech. Neutral Plate



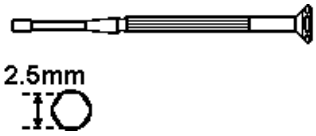
9 **VFK1155** **(REV/Silver)**
10 **VFK1156** **(PLAY/Black)**
11 **VFK1208**
(Neutral/Black with hole)
Position Tool



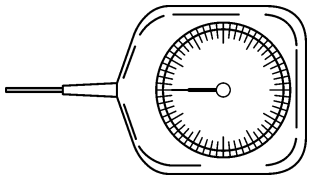
12 **VFK1150A**
Nut Driver (5.5 mm)



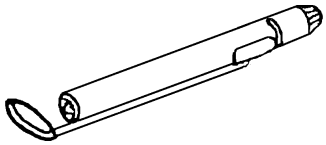
13 **VFK1151**
Nut Driver (2.5 mm)



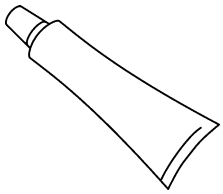
14 **VFK1188A**
Dial Tension Gauge



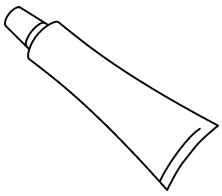
15 **VFK0948A**
Check Light



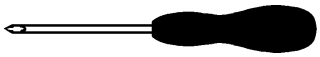
16 **VFK0749**
Froiral Grease (for plastics)



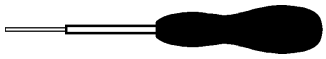
17 **MOR265**
Morlytone Grease (for metal)



18 **VFK1146A (00X75)**
19 **VFK1147A (0X100)**
Philips Driver (Fine)



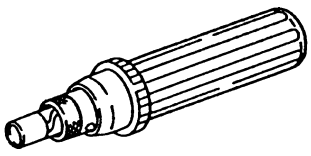
20 **VFK1148A** **(1.5 mm)**
21 **VFK1178** **(0.89 mm)**
22 **VFK1179** **(0.71 mm)**
Hex. Driver



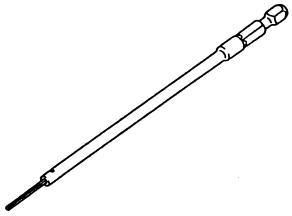
23 **VFK1190**
Hex. Wrench



24 **VFK1209A**
Torque Driver



25 **VFK1375**
Post Axis Driver (1.5 mm)



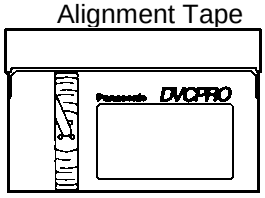
26 **VFK1300**
A/D Board (Quatech DAQ-12)



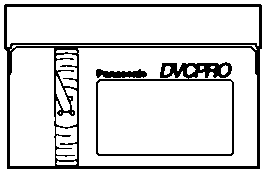
27 **VFM3580KM or L (NTSC)**
VFM3680KM or L (PAL)

28 **VFM3581KM or L**

29 **VFM3582KM or L**
DVCPRO
Alignment Tape

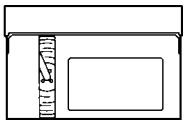


30 **VFM3380KM**
DVCPRO50
Alignment Tape

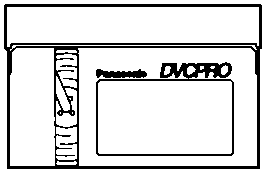


31 **VFM3010EDS**
DV Alignment Tape
(Color Bars)

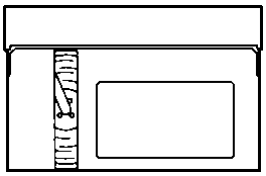
32 **VFM3000EDS**
DV Alignment Tape
(LISTA)



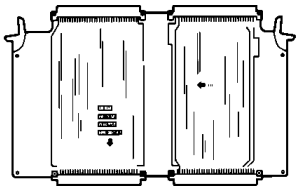
33 **AJ-CL12MP**
Cleaning Tape



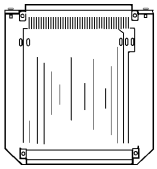
34 **VFK1423**
Tape Beg./End
Detection Cassette



35 **VFK1192**
F Extender Board

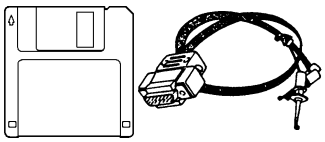


36 **VFK1496**
Extender Board

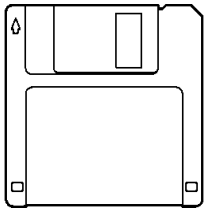


37 **VFK1481E**
LISTA Software

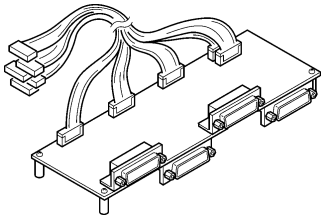
38 **VFK1186**
LISTA Cable



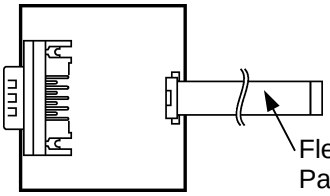
39 **VFK1248L**
Flash ROM Version up
SOFTWARE



40 **VFK1590**
C PLD Writer

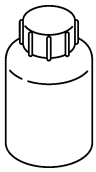


41 **VFK1304A**
Flash Memory Version up Tool
（VFK1304 includes the flexible
cable ”VWJ20E5500L0”）

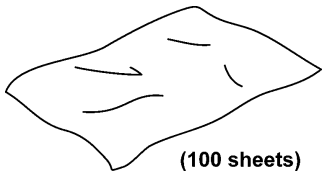


Flexible cable
Part No.: VWJ20E5500L0

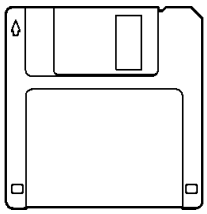
42 **VFK0906**
Lubrication Oil



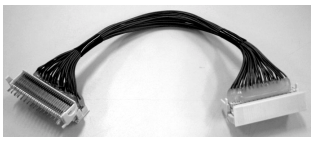
43 **VZZ0095**
Cleaning Cloth



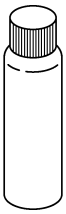
44 **VFK1806**
RF Adjustment
Software



45 **VFK1803**
Extension Cable for
Front Panel



46 **-----**
EE Cleaner



2. ALIGNMENT TAPE

2-1. VFM3580KM / L (NTSC) (25M adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar SMPTE(75%)	Confirmation of the composite video level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
7:00	Color bar (75%)	Confirmation of the composite video level				
14:00	H sweep	Frequency characteristic			6KHz 0VU	A/C head azimuth adjustment
18:00	Bow tie (500K)	Y/C timing				
22:00	Pulse & bar	Y/C timing			300, 500, 1K 2K, 4K, 6KHz	Frequency characteristic
26:00	Area marker	Video start timing			-----	-----

2-2. VFM3581KM / L (NTSC) (Manufacturer (LISTA) adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	ITI pattern	Linearity adjustment	-----	-----	-----	-----

2-3. VFM3582KM / L (NTSC) (Manufacturer (X-value) adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (75%) (with drop-out track)	X-value adjustment	-----	-----	6KHz 10VU	X-value adjustment

2-4. VFM3380KM (NTSC) (50M adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (with teletext) (100%)	Confirmation of video level and teletext level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
4:00	Color bar (75%)	Confirmation of the video level				
7:00	Multiburst (Y/Pb/Pr)	Frequency characteristic				
10:00	Multiburst (only Y)	Y-frequency characteristic				
13:00	Bow tie	Y/C timing				
16:00	Area marker	Video start timing				

2-5. VFM3010EDS (NTSC) (DV adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar	EQ adjustment	1,102.5KHz		-----	-----

2-6. VFM3000EDS (NTSC) (DV (LISTA) adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	LISTA signal	Adjustment of the linearity	-----	-----	-----	-----

2-7. VFM3680KM / L (PAL) (25 M adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar 100%	Video level Confirmation	1KHz –18dB	Confirmation of the audio level	1KHz Reference Level	Cue Level Confirmation
10:00	H Sweep	Frequency Response				
14:00	Area Markers	Video start timing			6KHz Reference Level	A/C head Azimuth Adjustment
18:00	Bow tie (500K)	Y/C timing				
22:00	Pulse & bar	Y/C timing			1KHz 300KHz-6KHz	Frequency Response
26:00 30:00	Multi Pulse	Y/C timing	-----	-----	-----	-----

3. LIST OF RECOMMENDED MEASURING INSTRUMENTS

MODEL NO. (Example)	NAME	REMARK
TSG130A (NTSC) *1(opt.05)	NTSC analog composite & component signal generator (with CF OUT)	Tektronix
TSG131A (PAL)	PAL analog composite & component signal generator (with CF OUT)	
1760 (op. SC) or 1780R	SCH meter (NTSC)	
	Waveform monitor (NTSC)	
	Vector scope (NTSC)	
1761 (op. SC) or 1781R	SCH meter (PAL)	
	Waveform monitor (PAL)	
	Vector scope (PAL)	
	Oscilloscope	
	Digital voltmeter (D.V.M.)	
	Frequency counter	
	Audio noise meter	
	Audio analyzer	
	Spectrum analyzer	

*1 : This option 05 is added for dvcpro service test signal. It include CF OUT Signal.
Please contact the Tektronix if more detail information is required.

4. MAINTENANCE

4-1. Maintenance Schedule

Maintenance is done by periodically performing suitable maintenance servicing in order to maintain the functions always in the best condition, so that the user can use the equipment safely. Video equipment with mounted mechanisms uses wear parts, and their wear and deterioration causes troubles. Dust and dirt also can impair stable operation. For this reason it is important not to just perform repair at the time of trouble, but also to perform suitable maintenance at regular intervals.

	Part name	Part No.	Hours of use (unit: hours)				
			Every 1000	3000	6000	9000	12,000
-	Cleaning of the travel system	-----	C: Every 500 hours				
-	Mechanical chassis unit	VXY1731Z1					R
1	Cylinder Unit	VEG1501		R	R	R	IM
2	Pinch Arm Unit	VXL2835C		R, G	R, G	R, G	IM
3	Cleaning Arm Unit	VXL3027C	R, Y	R, Y	R, Y	R, Y	IM
4	S-Reel Motor Unit	VEM0686			R		IM
5	T-Reel Motor Unit	VEM0687			R		IM
6	Thrust Screw Unit	VXQ0556			R, L		IM
7	Mode SW Unit	VES0918C			R		IM
8	S1 Loading Arm Unit	VXL2812			R		IM
9	T1 Boat Unit	VXA6379			R		IM
10	S5 Post Base Unit	VXA7361			R		IM
11	Tension Arm Unit	VXL2832			R		IM
12	A/C Head	VED0419					IM
13	Loading Motor (1) Arm Unit	VEM0645C					IM
14	Reel Drive Motor Unit	VEM0585C					IM
15	Pinch Solenoid	VSJ0227					IM
16	S Brake Solenoid	VSJ0216					IM
17	T Brake Solenoid	VSJ0216					IM
18	Distinction SW Unit (MIC SENSOR)	VXA7014C					IM
19	Cleaner Solenoid	VSJ0226					IM
20	Main Cam Gear	VDG1168					IM
21	M Stopper Brake Solenoid	VSJ0216					IM
22	Front-loading unit	VXA7347					R
23	Front Loading Motor	VXA5597					F
24	Fan motor	L6FALEFH0007 (VRF0190)	Exchange after every 12,000 h of energization				

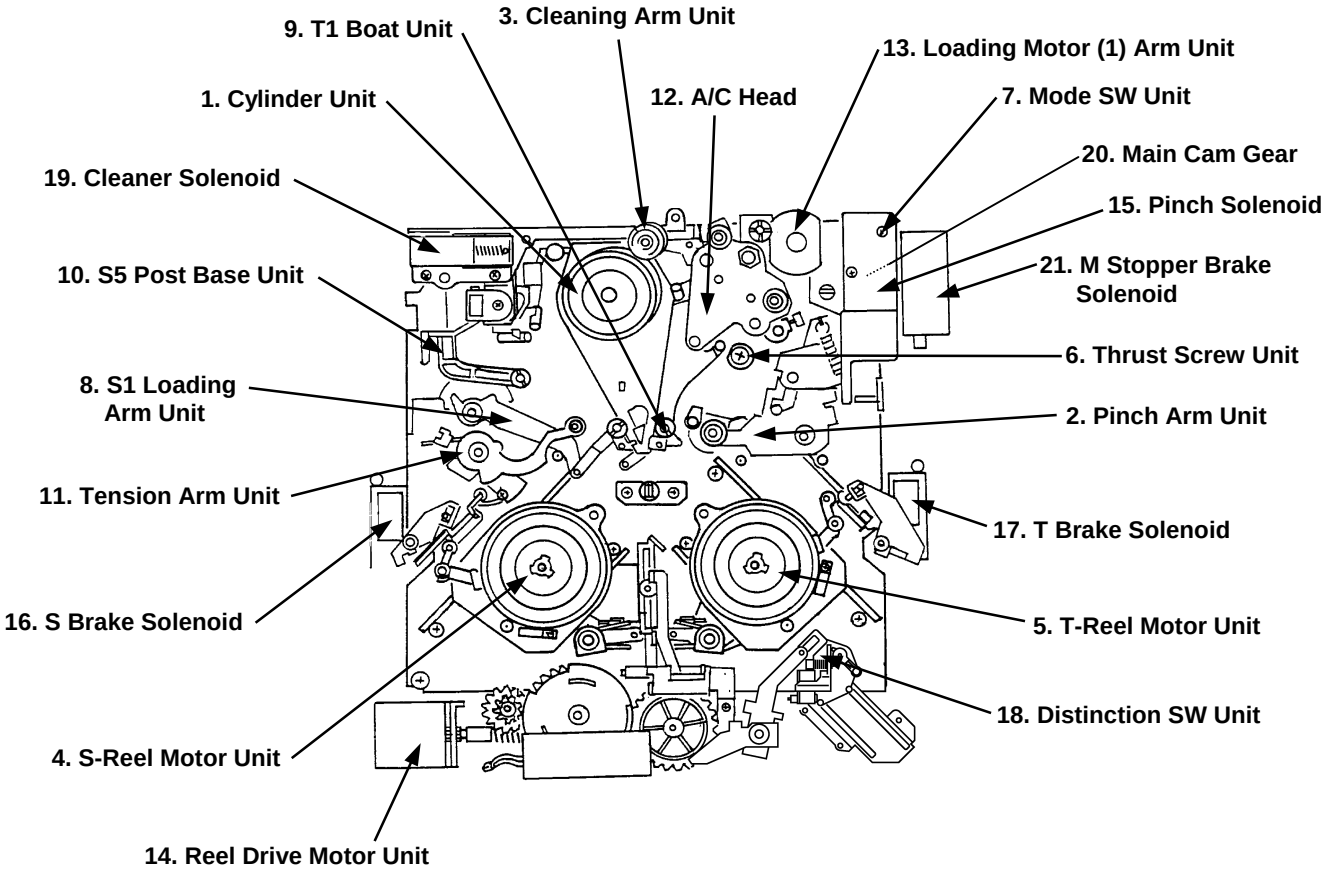
Replacement of the mechanical chassis unit is recommended for the 12,000 h maintenance.

C : Perform cleaning.
R : Assembly subject to exchange.
Y : The timing of replacement with Cleaning Arm Unit, either 1000 hours or 1 year as timing come earlier.
G : At the time of exchange, wipe off the old grease and apply new grease. (Morlytone grease)
L : Lubrication is necessary.
IM : Included in the mechanical chassis unit. When the mechanical chassis unit is not exchanged, exchange as a single part is required.
F : Included in the front-loading unit.

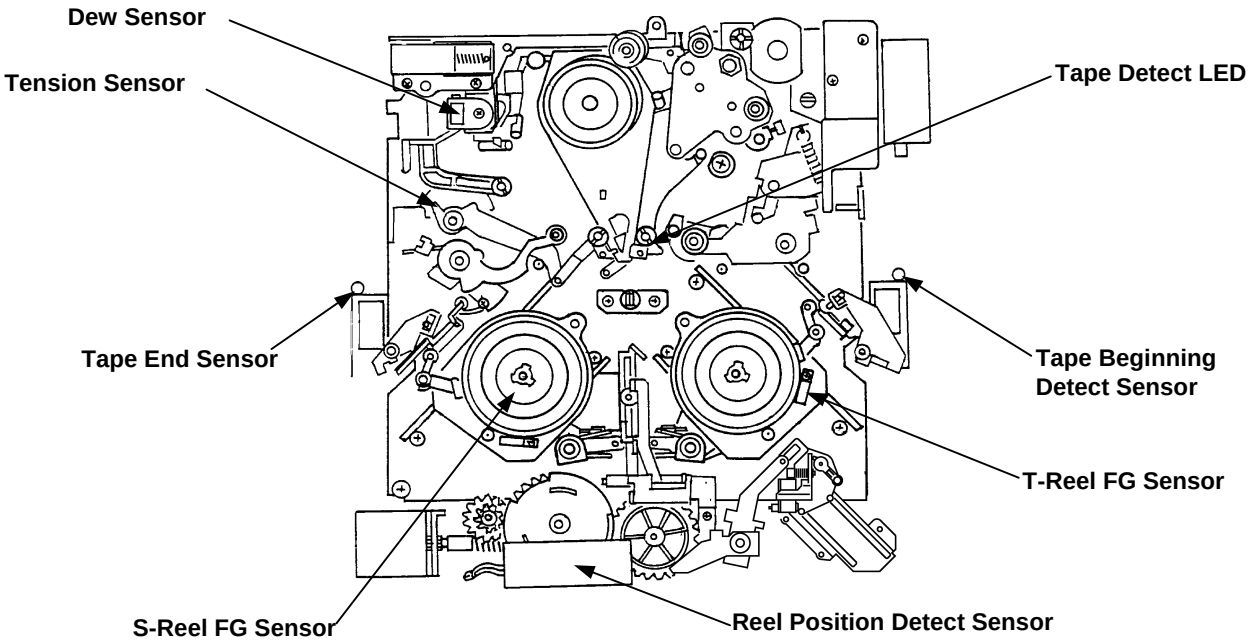
<Note:>

The Hours of use indicates the cylinder rotation time (DRUM RUN).
The maintenance execution time shown in the chart is recommendation for standard maintenance execution. This is not the life of the various parts. The life is influenced by temperature, humidity, dust, etc.
Please refer to the most recent execution outline, as the maintenance specifications and the part numbers may change.

4-2. Layout of the Maintenance Parts



4-3. Layout of the Other Parts



5. MANUAL TAPE EJECT (Emergency Eject)

When a tape can not be ejected by normal operation due to some trouble, the tape can be removed manually as follows.

1. Turn off power and remove the top Case Unit.
2. Rotate the red plastic screw by a Phillips-head screwdriver counterclockwise pushing the screw. It needs to rotate until Post starts moving. (about 30 times rotation).

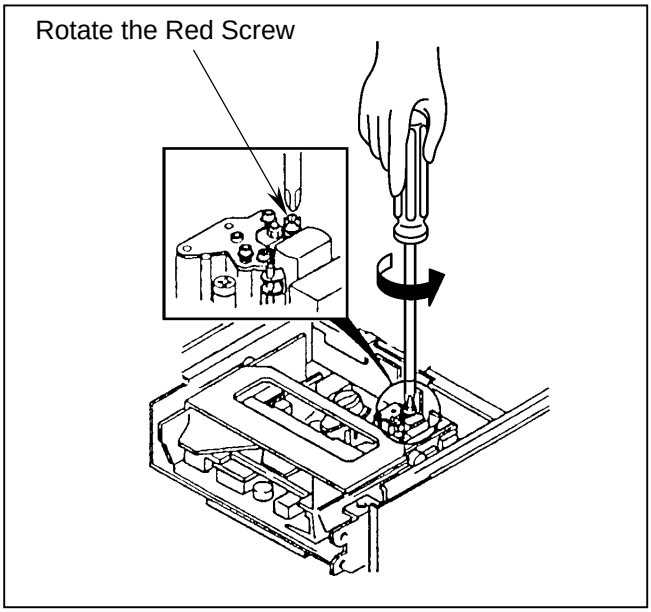


Figure 5-1. Post unloading

3. Since tape slack will occur when the post is unloaded, rotate the supply reel to wind up the tape.
   How to wind up the tape (see Figure 5-2)
   a. Insert the rubber side of the take-up jig to the cassette rid opening position from mechanism side.
   b. Turn the flange of the supply reel in the direction of winding to eliminate the tape slack. (Take care not to damage the tape in the process.)

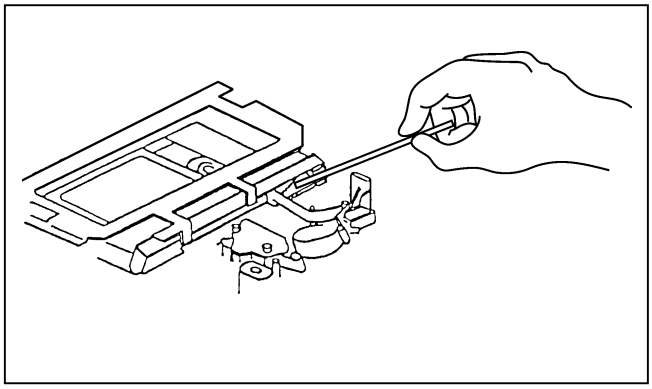


Figure 5-2. Rotate the S Reel

4. Repeat item 2 and 3 until the tape wound up completely inside of the cassette.
5. When the tape is completely gotten inside of the cassette, rotate the red screw in front of the worm gear of the cassette down motor clockwise by a philips-head screwdriver pushing the screw. Remove the cassette with care not to pinch the tape by cassette rid when it is closed.

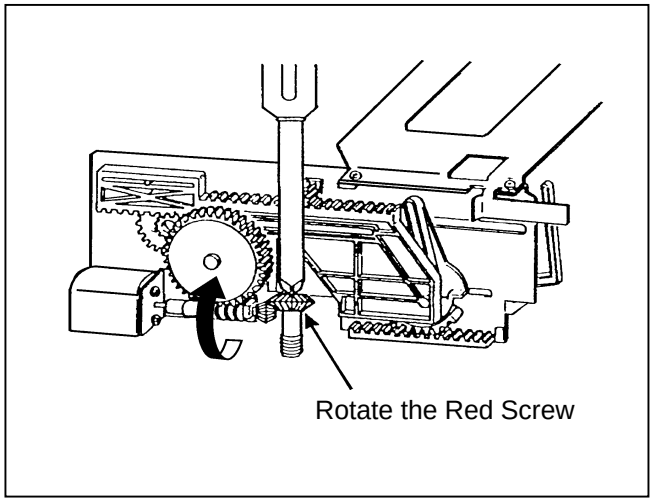


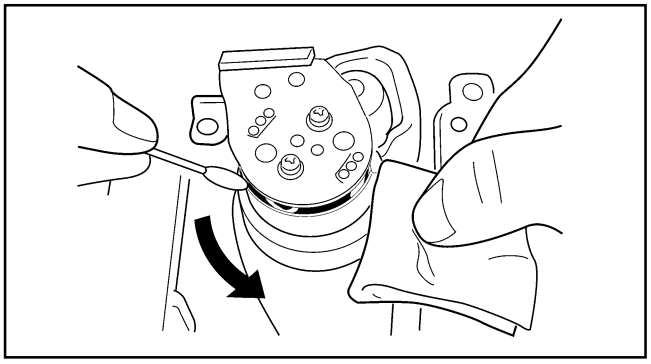
Figure 5-3. Cassette unloading

6. Cleaning Method

Note: Turn the power OFF during cleaning.
Make sure the power is OFF before cleaning. Use ethanol (more than 99% purity) as cleaning liquid.

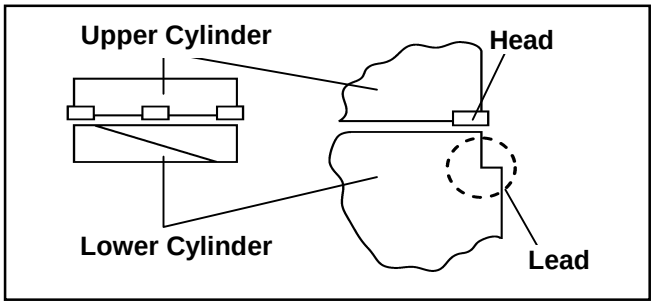
6-1. Cylinder Head Cleaning Method: (Daily)

1. Turn power off.
2. Dip cloth into De-natural Alcohol.
3. Press cleaning cloth gently against Cylinder Head. Using an applicator on the top edge of the Upper Cylinder, rotate the Cylinder counter-clockwise several times to clean.
4. Repeat cleaning procedure until all residue is removed from Cylinder Head.



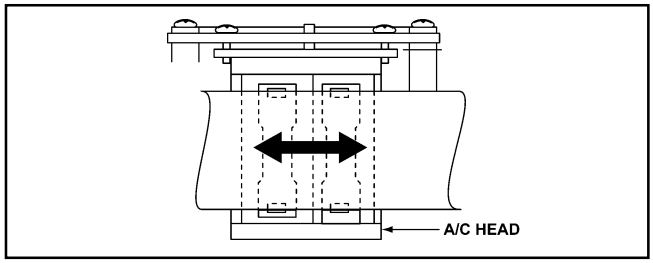
6-2. Cylinder Lead Cleaning Method: (Weekly)

Don't touch a head chip. Clean the drum lead with a pick.



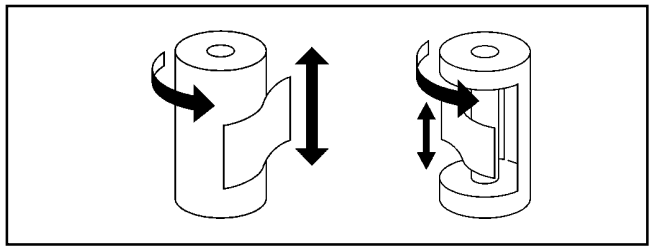
6-3. A/C Head Cleaning Method: (Weekly)

Wipe the A/C head with a cloth dipped in cleaning liquid. Wipe again with a dry cloth.



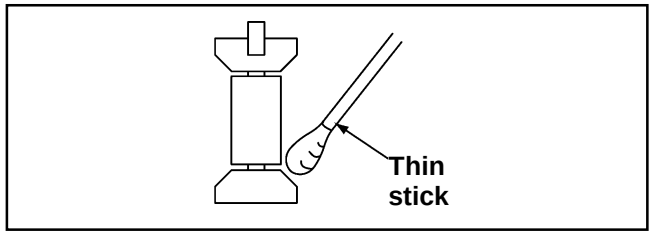
6-4. Pinch Roller and Capstan Shaft Cleaning Method: (Weekly)

Wipe the Pinch Roller and Capstan with a cloth dipped in cleaning liquid.



6-5. Post Cleaning Method: (Weekly)

Wind a cloth on a pick. Wipe each posts with that pick. Wipe again with a dry cloth. For metal posts wipe with a cloth dipped in cleaning liquid. Then wipe it again with dry cloth.

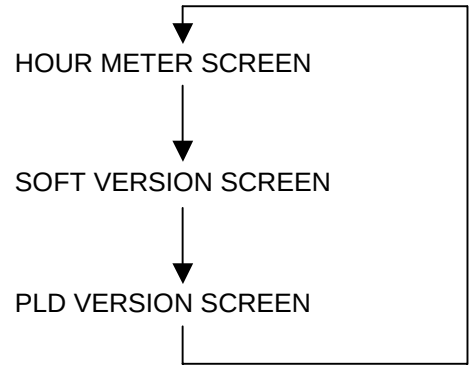


Notes :
Use the clean cloth for cleaning purpose. Do not use any dirty cloth.
The cleaning cloth can be ordered as spare parts.
The part number is indicated as below.
CLEANING CLOTH : VZZ0095

7. SOFTWARE VERSION DISPLAY

7-1. SOFTWARE & PLD VERSION could be displayed on the VIDEO SUPER OUT.

1. Turn on the power.
2. Press the STOP , EJECT and DIAG button simultaneously, then the HOUR METER display is shown on the monitor.
3. PUSH Search button in order to change the screen as below ;



DIAG-MENU	SOFT VERSION
* SYSAV	n1.02
SERVO	n1.02
DV	1.02
D-I/F	n1.02
I/F	n1.02

(“D-I/F” is not displayed if IEE1394 board is not installed.)

Figure 7-1-1

DIAG-MENU PLD VERSION

* F1	AUDIO	VSI*****
F2A	V IN	VSI*****
F2B	A PROC	VSI*****
F3A	SDI	VSI*****
F3B	D-I/F	VSI*****
F4	REC PB	VSI*****
F5	V OUT	VSI*****
F6	SYSCON	VSI*****
F7	SERVO	VSI*****

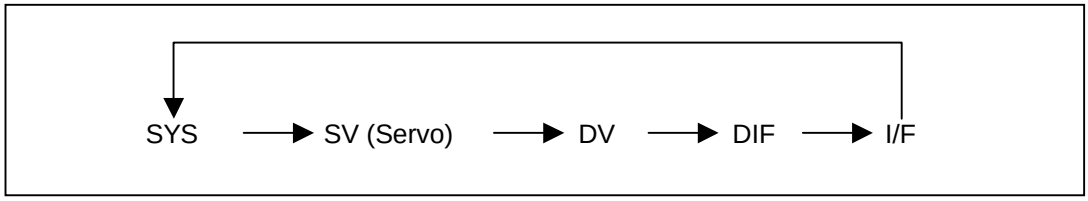
Figure 7-1-2

4. Rotate Search Dial to move the position of **“ * ”** mark so that the display (SOFTWARE VERSION & PLD VERSION) on the front panel is changed.

7-2. SOFTWARE VERSION & CHECK SUM could be displayed on the counter display (Front Panel)

7-2-1. SOFTWARE VERSION

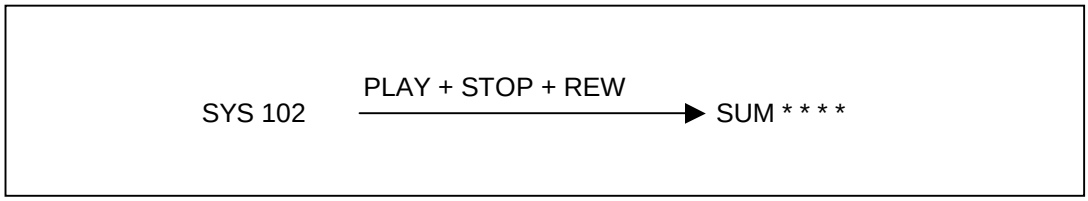
1. Press the **"PLAY"** and **"STOP"** button simultaneously, then software version is displayed on the front panel.
2. Press the **"PLAY"** button together with **"STOP"** button so that the each item of software version is displayed step by step. (refer to below)



(**"DIF"** is not displayed if IEE1394 board is not installed.)

7-2-2. CHECK SUM

1. SOFTWARE VERSION is displayed when press the PLAY and STOP button simultaneously.
2. Press REW button in addition to the PLAY and STOP button so that the CHECK SUM of the software is displayed.



8. ERROR RATE DISPLAY

Condition : 1) Set to Service menu.
2) Set the TCG SW to INT REGEN or INT PRESET.

The error rate is displayed on the AUDIO LEVEL METER in Service menu mode.
(When enters in Service menu mode, the AUDIO LEVEL METER changes into the error display mode automatically.)

1. DVCPRO 50 PB HEAD
   DVCPRO 25 PB HEAD
   DV RP HEAD

   The error rate is displayed and measured on the AUDIO LEVEL METER at the first page (main screen) of Service menu mode (refer to figure 8-1)

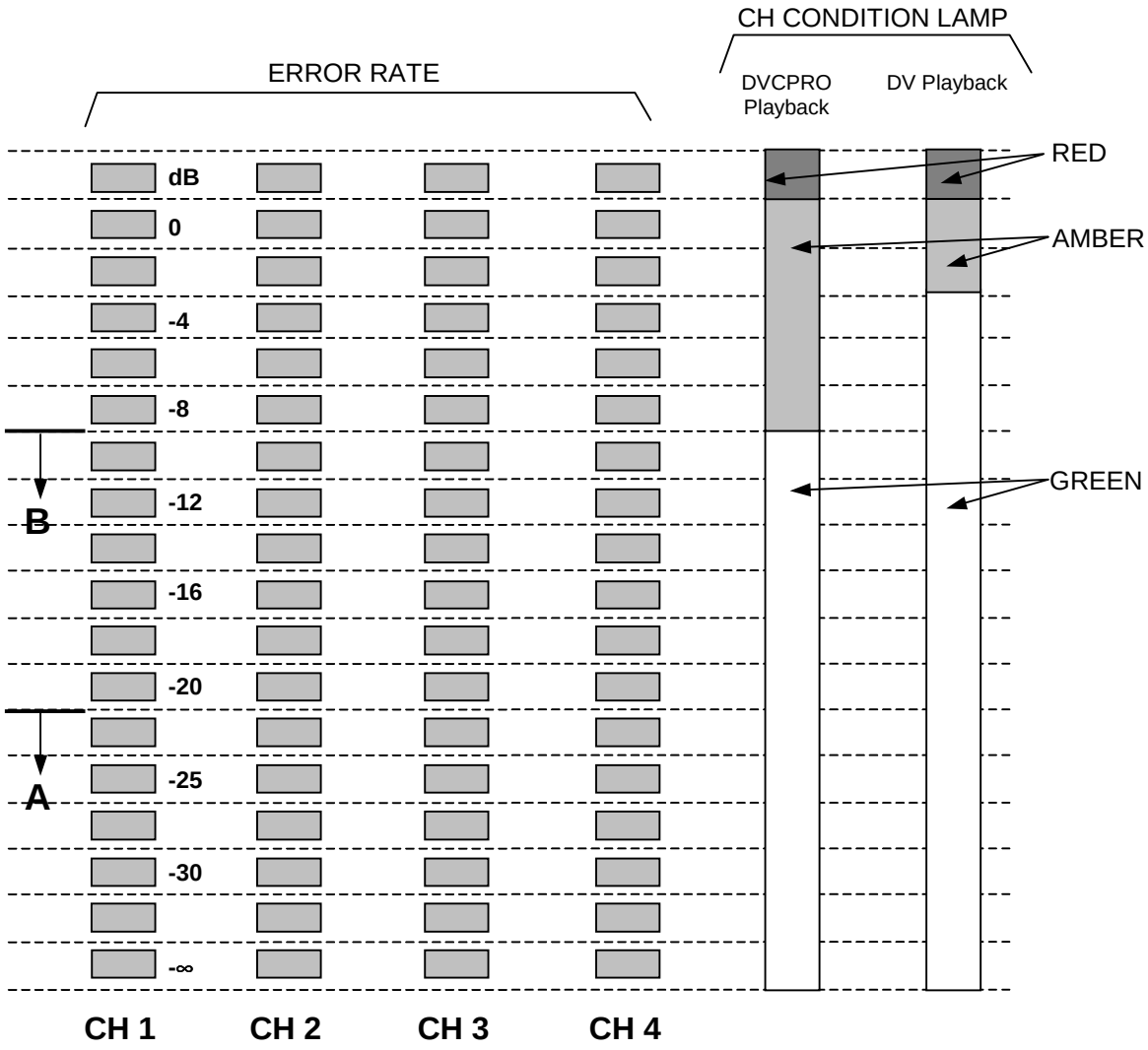
```
SERVICE-MENU
          NO. AOO
*A00 : SERVO ADJUST
 B00 : RF ADJUST
 C00 : VIN ADJUST
 D00 : VOUT ADJUST
 F00 : VIDEO ADJUST
 G00 : AUDIO ADJUST
 H00 : OTHER ADJUST
 IOO : BACKUP RAM INIT
 END
```

Figure 8-1

2. DVCPRO 50 / DVCPRO 25 : RP HEAD

   1) Enter into the RF adjustment menu and select RP HEAD.
   2) The error rate is displayed on the AUDIO LEVEL METER.

3. Specification of Error Rate



DVCPRO50/DVCPRO25

ATF HEAD	TCG SW	CH 1	CH 2	CH 3	CH 4
PB	INT REGEN	PBL1 VIDEO	PBL2 VIDEO	PBR1 VIDEO	PBR2 VIDEO
	INT PRESET	PBL1 AUDIO	PBL2 AUDIO	PBR1 AUDIO	PBR2 AUDIO
RP	INT REGEN	RPL1 VIDEO	RPL2 VIDEO	RPR1 VIDEO	RPR2 VIDEO
	INT PRESET	RPL1 AUDIO	RPL2 AUDIO	RPR1 AUDIO	RPR2 AUDIO

DV

ATF HEAD	TCG SW	CH 1	CH 2	CH 3	CH 4
RP	INT REGEN	RPL1 VIDEO	RPL2 VIDEO	RPR1 VIDEO	RPR2 VIDEO
	INT PRESET	RPL1 AUDIO	RPL2 AUDIO	RPR1 AUDIO	RPR2 AUDIO

TCG SW

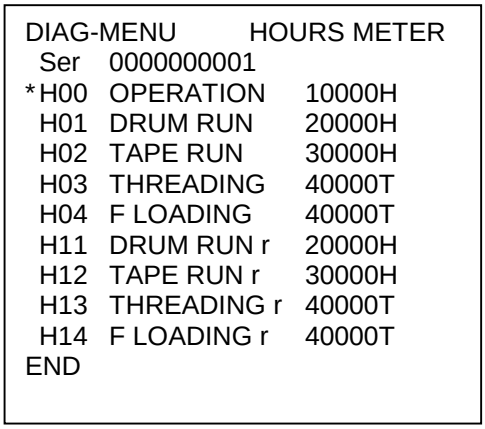
INT REGEN	VIDEO Error rate is displayed
INT PRESET	AUDIO Error rate is displayed

Specification of Error Rate

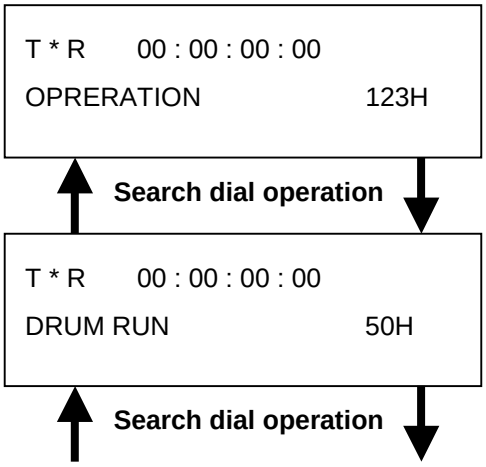
	VTR mode	Specification of Error Rate
DVCPRO (PB)	DVCPRO (PB Head) alignment tape playback	Under the “A” position at level meter
DV (R/P)	DV (RP Head) Alignment tape playback	Under the “A” position at level meter
DVCPRO (Confi)	DVCPRO confidence playback (REC mode)	Under the “B” position at level meter

9. HOUR METER DISPLAY

1. Push the **"DIAG"** button.
2. Push the search button under the condition that **"DIAG-MENU"** is displayed on the Video Monitor.
3. Hour meter is displayed on the Video Monitor and Counter Display (Front Panel).
4. The hour meter of each item can be confirmed by turning search dial by the Counter Display (Front Panel).



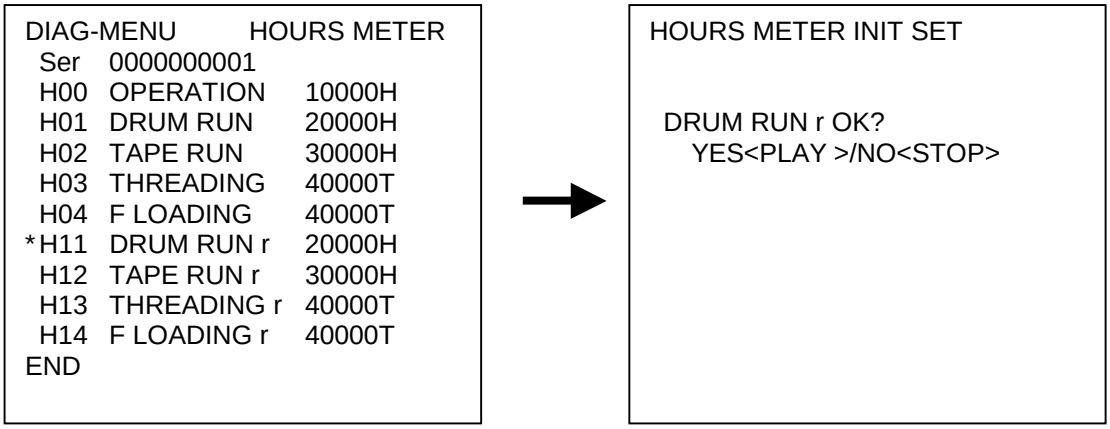
VIDEO MONITOR



Counter display (Front Panel)

<< How to reset Hours meter >>

1. Eject the cassette tape.
2. Push EJECT, STOP and DIAG button simultaneously.
3. After the following figure is displayed, move **" * "** to the item to reset by rotating Search Dial. (Only H11 – H14 with **" r "** can be reset.)
4. Push **"RESET"** button to display the figure shown right below.
5. Push **"PLAY"** button to format the selected item.



10. TP & MAIN SIGNAL FOR TAPE PATH CONFIRMATION

TP6301	R/P-L-ENVELOPE Signal (F8 : RF Board)
TP233	R/P-L-HSW Signal (F7 : SERVO Board)

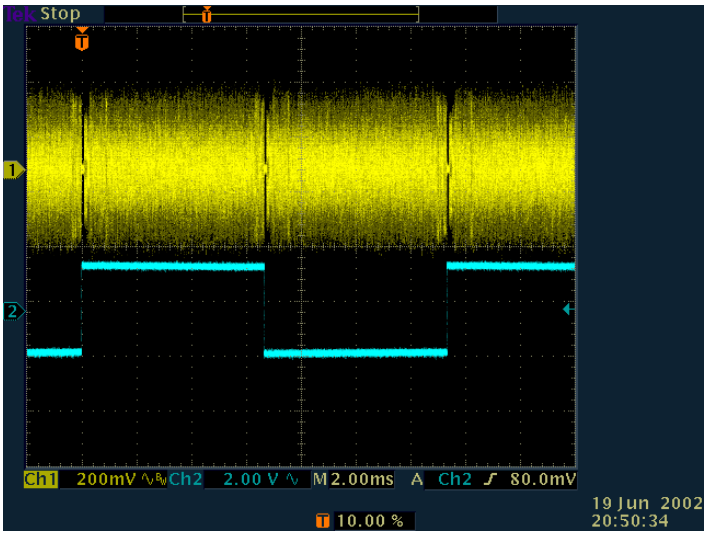


Figure 10-1

TP5301	PB-L-ENVELOPE Signal (F8 : RF Board)
TP232	PB-L-HSW Signal (F7 : SERVO Board)

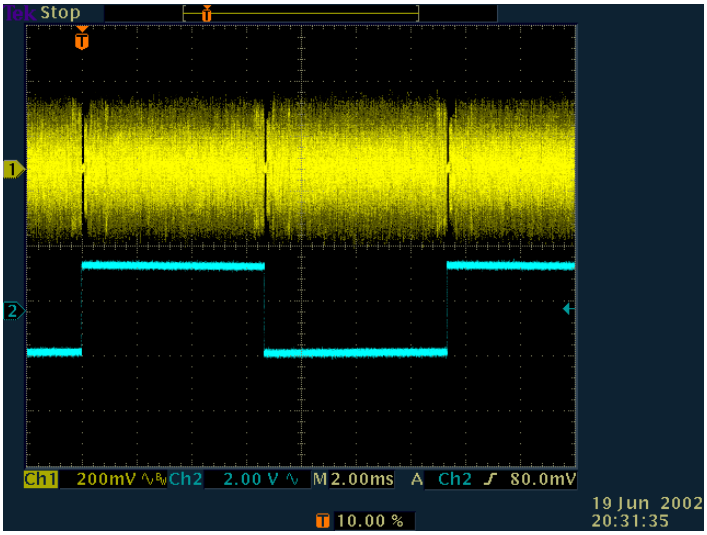


Figure 10-2

TP6301	R/P-L-ENVELOPE Signal (F8 : RF Board)
TP233	R/P-L-HSW Signal (F7 : SERVO Board)
TP30	CTL Signal (F7 : SERVO Board)
TP200	CUE Signal (F1 : AUDIO Board)

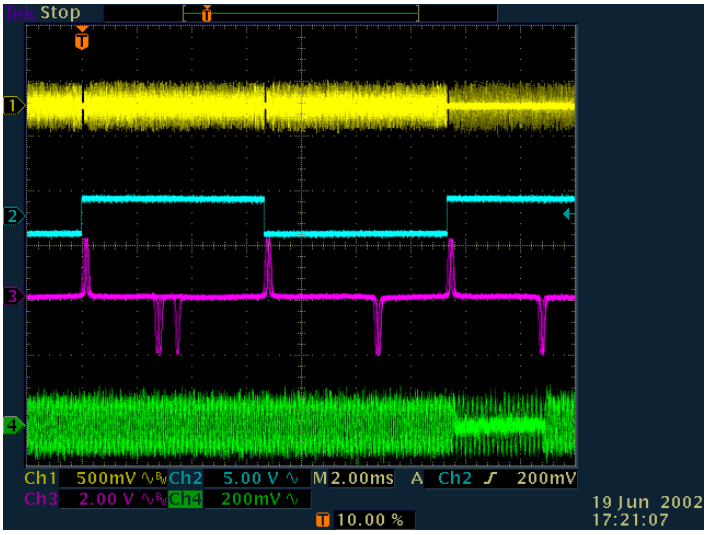
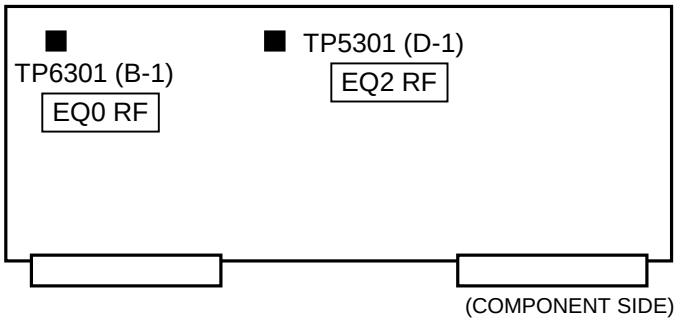
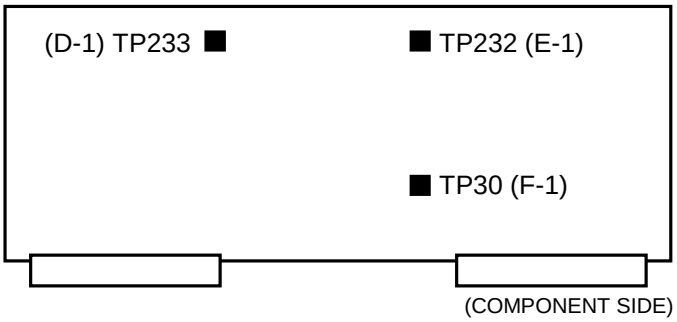


Figure 10-3 for A/C HEAD Horizontal position

F8: RF Board



F7: SERVO Board



F1: AUDIO Board

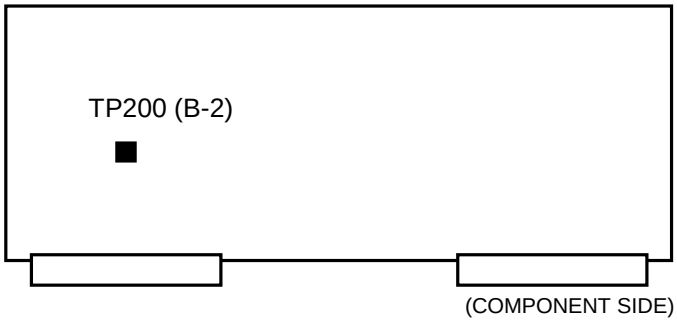
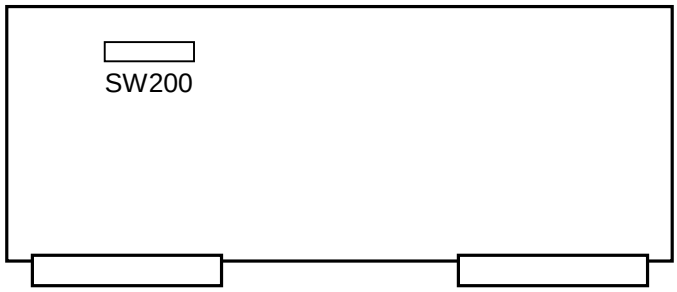


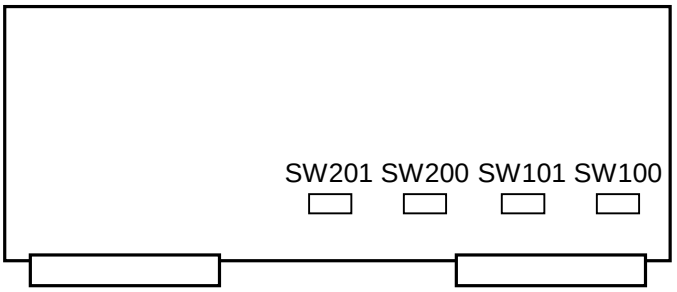
Figure 10-4

< LOCATION OF INTERNAL SW >

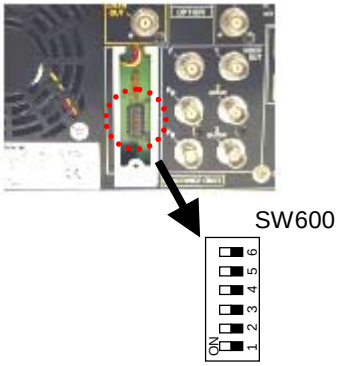
F6: SYSCON Board



F1: AUDIO Board



Rear Jack Panel (AV JACK)



11. INTERNAL SWITCH SETTING METHOD

The switches setting on each circuit board are shown below.

<table>
<tr><th>BOARD</th><th>Ref No</th><th>SW</th><th>FACTORY SETTING</th><th>FEATURE</th></tr>
<tr><td rowspan="4">F1: AUDIO</td><td>SW100</td><td></td><td>HIGH</td><td>Audio input impedance setting (600Ω/ HIGH) for CH1</td></tr>
<tr><td>SW101</td><td></td><td>HIGH</td><td>Audio input impedance setting (600Ω/ HIGH) for CH2</td></tr>
<tr><td>SW200</td><td></td><td>HIGH</td><td>Audio input impedance setting (600Ω/ HIGH) for CH3</td></tr>
<tr><td>SW201</td><td></td><td>HIGH</td><td>Audio input impedance setting (600Ω/ HIGH) for CH4</td></tr>
<tr><td rowspan="8">F6: SYSCON</td><td rowspan="8">SW200</td><td>1</td><td>625 model : OFF
525 model : ON</td><td>OFF: 625 mode
ON: 525 mode</td></tr>
<tr><td>2</td><td>-----</td><td>OFF: for AJ-SD930T/P/E, D930MC, SD955E, D955MC
ON: for AJ-SD955AP (switchable model)</td></tr>
<tr><td>3</td><td>OFF</td><td>NOT USED</td></tr>
<tr><td>4</td><td>OFF</td><td>OFF: normal
ON: Factory use</td></tr>
<tr><td>5</td><td>OFF</td><td>OFF: normal
ON: Factory use</td></tr>
<tr><td>6</td><td>OFF</td><td>OFF: normal mode
ON: Test mode
<INNER/OUTER/CONCEAL>
DIPSW6 ON & TC SW=TC
→INNER/OUTER/CONCEAL=ON/OFF/OFF
DIPSW6 ON & TC SW=CTL
→INNER/OUTER/CONCEAL=OFF/OFF/OFF
DIPSW6 ON & TC SW=UB
→INNER/OUTER/CONCEAL=ON/ON/OFF
DIPSW6 OFF & Don’t Care
→INNER/OUTER/CONCEAL=ON/ON/ON</td></tr>
<tr><td>7</td><td>OFF</td><td>HEAD SELECT for Error rate checking.
DIPSW 6/7= ON/OFF→HEAD SELECT = PB SELECT
ON/ON→HEAD SELECT=RP SELECT</td></tr>
<tr><td>8</td><td>OFF</td><td>SLOW/FAST MODE SW for Error rate checking
DIPSW 6/8= ON/OFF→FAST MODE
ON/ON→SLOW MODE</td></tr>
<tr><td>AV JACK</td><td>SW600</td><td colspan="3">There are 2 ways to select the PLD when the software is updated as follows;
(1) Selection by Service Menu (refer to INF-25)
(2) Selection by SW600
The selection by Service Menu is recommended.
However the selection by SW600 is useful when the selection by Service Menu can not be done. For example, if the software upgrade of PLD of V OUT P.C.B. (REC/PB P.C.B.) is not completed well, PLL circuit doesn’t work well.
Hence Service Menu doesn’t become available. In this case, try the software version up of PLD by selecting SW600.

<table>
<tr><th></th><th>SW1</th><th>SW2</th><th>SW3</th><th>SW4</th><th>SW5</th><th>SW6</th></tr>
<tr><td>PLD is selected by Service Menu.
(Factory setting)</td><td>OFF</td><td>---</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td></tr>
<tr><td>PLD on (F2A) V IN is selected</td><td>ON</td><td>---</td><td>ON</td><td>OFF</td><td>OFF</td><td>OFF</td></tr>
<tr><td>PLD on (F2B) A PROC is selected</td><td>ON</td><td>---</td><td>ON</td><td>OFF</td><td>OFF</td><td>ON</td></tr>
<tr><td>PLD on (F3B) SDTI/1394 is selected</td><td>ON</td><td>---</td><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td></tr>
<tr><td>PLD on (F4) REC PB is selected</td><td>ON</td><td>---</td><td>ON</td><td>OFF</td><td>ON</td><td>ON</td></tr>
<tr><td>PLD on (F5) V OUT is selected</td><td>ON</td><td>---</td><td>ON</td><td>ON</td><td>OFF</td><td>OFF</td></tr>
<tr><td>PLD on (F6) SYSCON is selected</td><td>ON</td><td>---</td><td>ON</td><td>ON</td><td>OFF</td><td>ON</td></tr>
<tr><td>PLD on (F1) AUDIO is selected</td><td>ON</td><td>---</td><td>ON</td><td>ON</td><td>ON</td><td>OFF</td></tr>
<tr><td>PLD on (F7) SERVO is selected</td><td>ON</td><td>---</td><td>ON</td><td>ON</td><td>ON</td><td>ON</td></tr>
<tr><td>PLD on (F3A) SDI is selected</td><td>ON</td><td>---</td><td>OFF</td><td>ON</td><td>ON</td><td>ON</td></tr>
</table>
* FACTORY Setting of SW2 is also OFF.</td></tr>
</table>

* Location of internal SW is described in previous page.

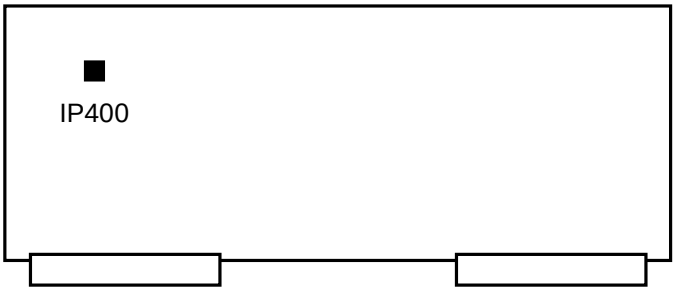
12. SOFTWARE VERSION UPGRADE METHOD

12-1. Microcomputer (FLASH) /PLD Chart

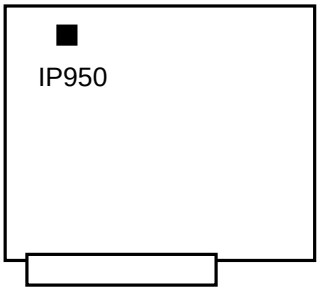
Circuit board name	Name	Ref. No.	PLD maker
F1 : AUDIO	AVCNT_FPGA	IP400 (ROM for FPGA)	ALTERA
F2A : V IN	DEC_CTRL_FPGA	IP950 (ROM for FPGA)	ALTERA
F2B : A PROC	DIFCNT_FPGA	IP351 (ROM for FPGA)	ALTERA
	PCMCNT_FPGA		
F3A : SDI	SDI_PROC_FPGA	IP503 (ROM for FPGA)	XILINX
F4 : REC PB	DV_PROC_FPGA	IP16 (ROM for FPGA)	ALTERA
	IO_VBLK_FPGA		
	RF_PROC_FPGA	IP17 (ROM for FPGA)	ALTERA
	DV_ Microcomputer (FLASH)	IP841	MITSUBISHI
F5 : V OUT	TBC_CTRL_FPGA	IP10 (ROM for FPGA)	ALTERA
	ENC_CTRL_FPGA	IP18 (ROM for FPGA)	ALTERA
F6 : SYSCON	SYSIF_CTRL_FPGA	IP1300 (ROM for FPGA)	ALTERA
	AVSYS_ Microcomputer (FLASH)	IP700	MITSUBISHI
	I/F_ Microcomputer (FLASH)	IP200	MITSUBISHI
F7 : SERVO	CTL/Mechacon PLD	IP300	ALTERA
	SERVO_ Microcomputer (FLASH)	IP201	MEC

: FLASH

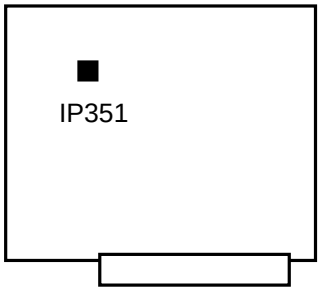
F1: AUDIO Board



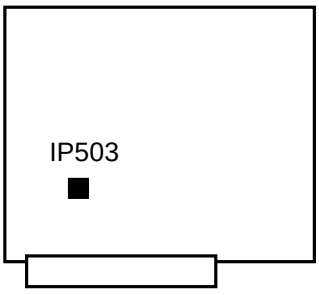
F2A: V_IN Board



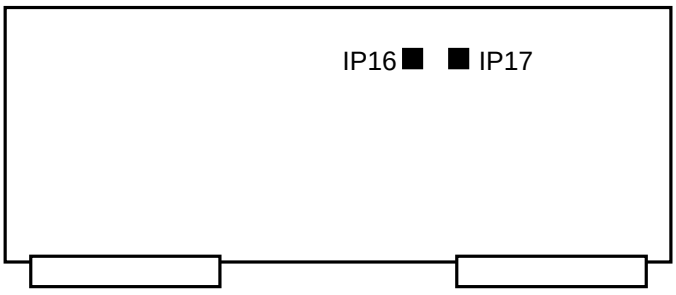
F2B: A_PROC Board



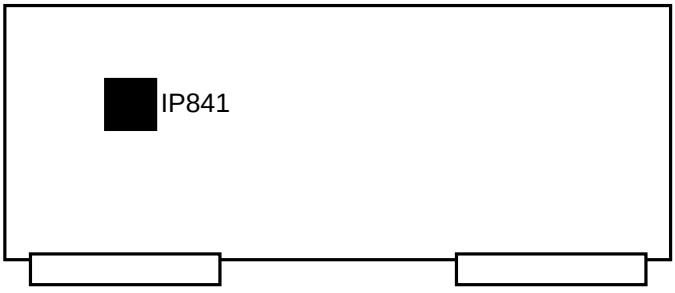
F3A: SDI Board



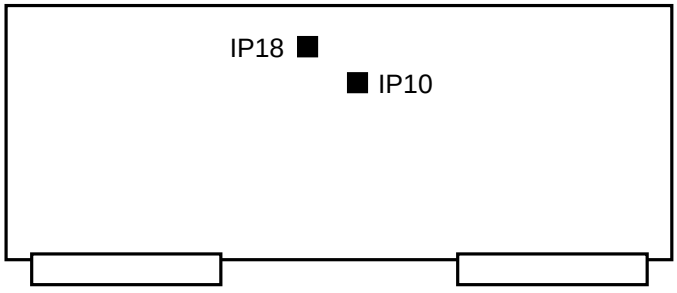
F4: REC_PB Board



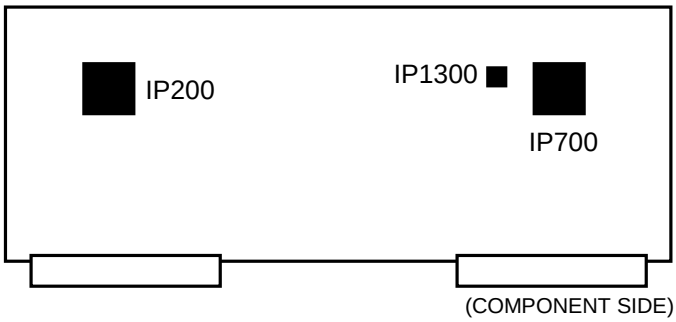
F4: REC_PB Board



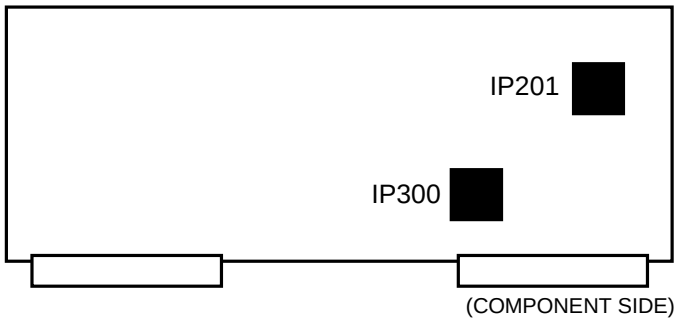
F5: V_OUT Board



F6: SYSCON Board



F7: SERVO Board



12-2. Flash ROM Software Version Up Procedure

Connect the VTR with personal computer by RS232C cable (Cross cable) as below. No Hardware tool is required to proceed this version up. (Just software tool is required)

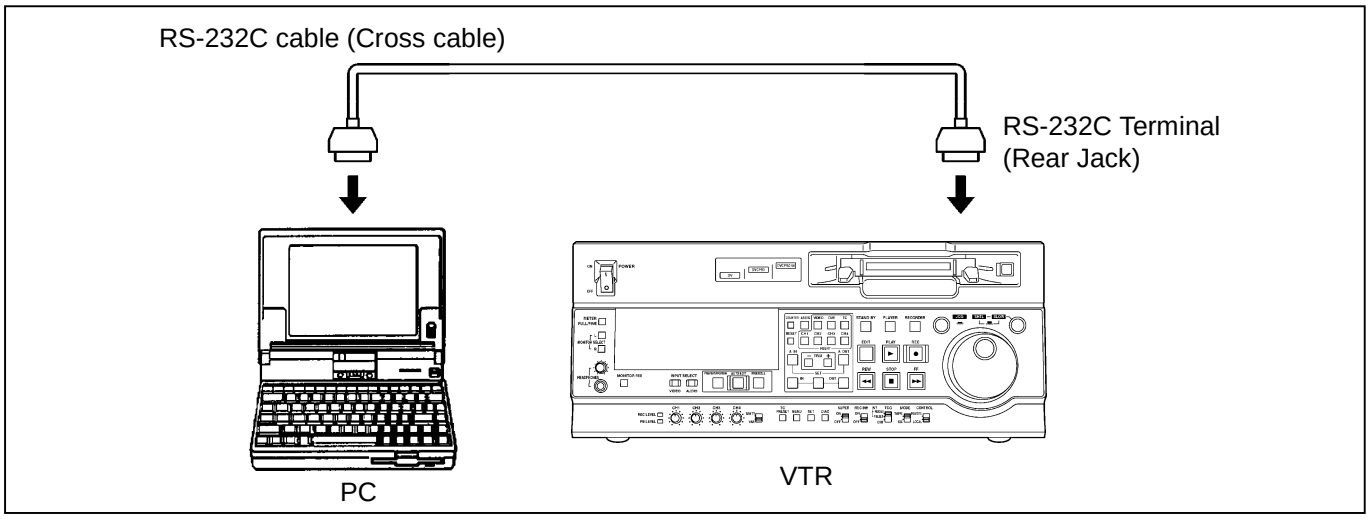


Figure A

1. Prepare a personal computer (Windows95 or 98)
2. Install the version up software VFK**** into the personal computer.
   VFK**** consist of following 4 types of software.

   f_servo.obf
   FW103u.exe
   VSI2312L.exe
   Setting ini

12-2-1. SYSAV, DV and I/F software (Flash ROM).

1. Copy the program software (SYSAV or DV or I/F:VSIXXX.mot) into the personal computer.
2. Turn on the VTR power.
3. Excute the VSI2312L. exe so that the following screen appears.

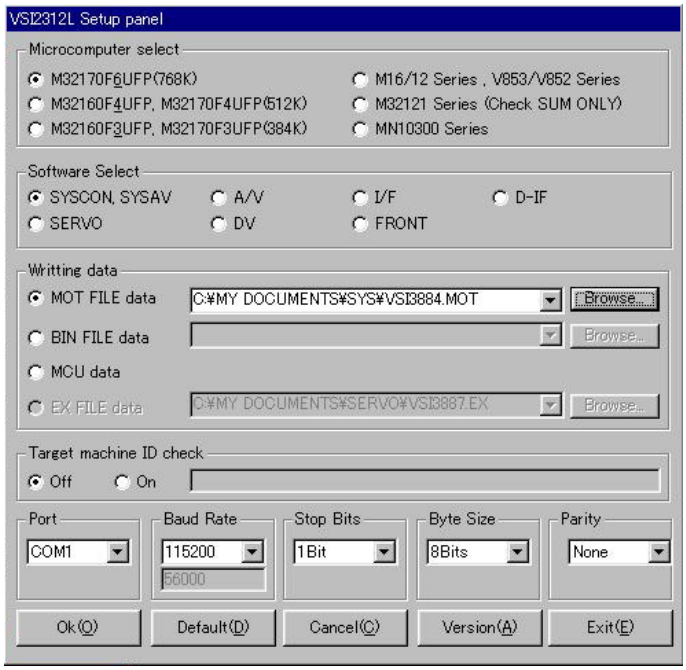


Figure 1

4. Select the each item as below;

Microcomputer select	SYSAV, I/F→M32170F6UFP (768K) DV→M32160F4UFP, M32170F4UFP (512K)
Software select	Target software (SYSAV or DV or I/F)
Writing data	MOT FILE data→ Select the program software (VSIXXX.mot) which was copied at item 1).
Target machine ID check	Off (default)
Port	COM1
Baud Rate	115200
STOP Bits	1 Bit (default)
Byte Size	8 Bits (default)
Parity	None (default)

5. Press **"OK"** button so that the following screen appears and Check sum is calculated. (refer to figure 2)

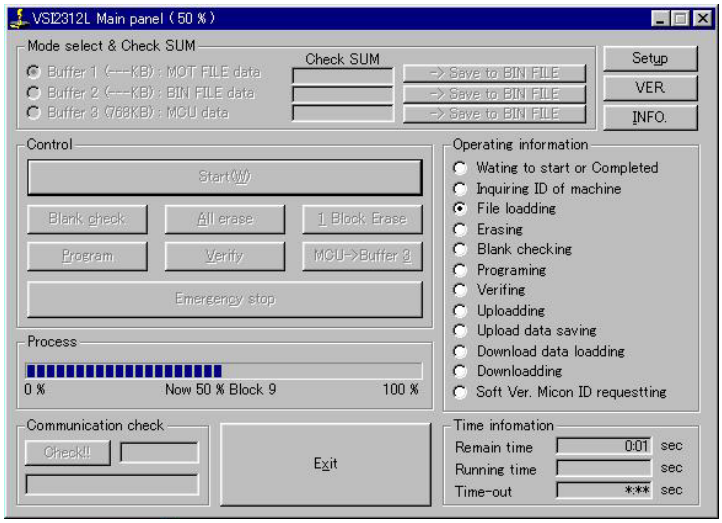


Figure 2

6. Check sum is displayed upper side on the screen after the process of item 5).
7. Press **"Start"** button so that the software programming will start. (refer to figure 3)

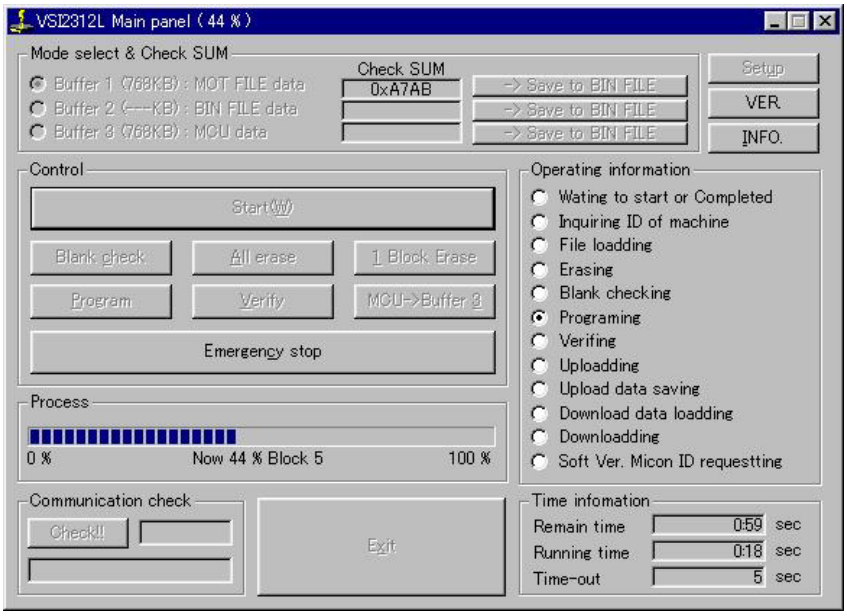


Figure 3

8. Confirm the bar in the Process window reach to 100% that means the software programming complete. (refer to figure 4)

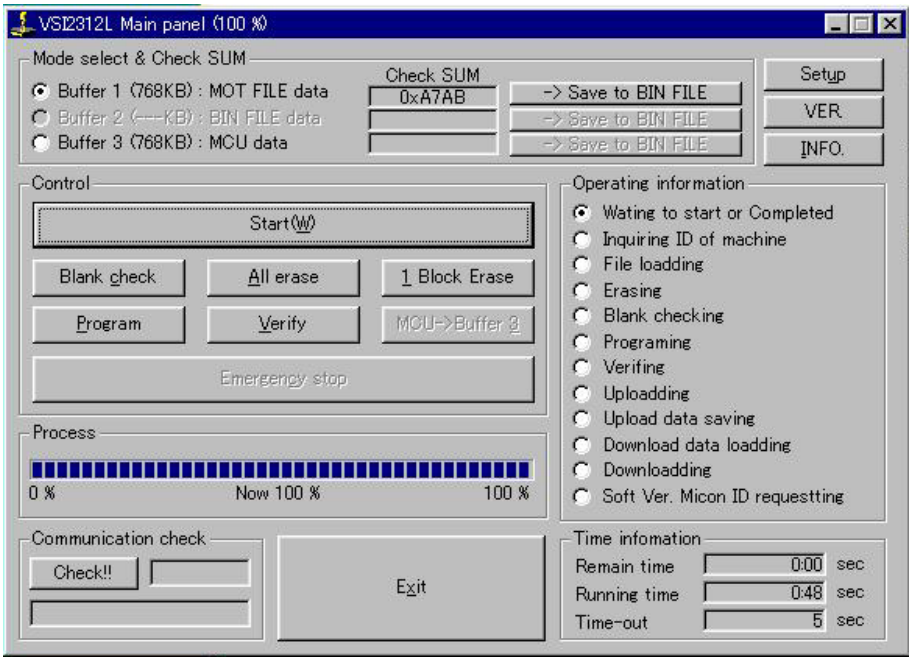


Figure 4

9. Press **"Exit"** button to end the program.

* If the error occurs during above process, repeat the process from item 7).

10. Turn off and on the power of VTR in order to reboot the machine.
11. Confirm that software version is updated.

12-2-2. SERVO software (Flash ROM).

1. Copy the Servo program software (VSIXXX.ex) into the personal computer.
   For your reference, an extension of Servo program software is different from others such as SYSAV, DV and I/F.
2. Turn on the AJ-SD930/SD955 power.
3. Excute the VSI2312L. exe so that the following screen appears.

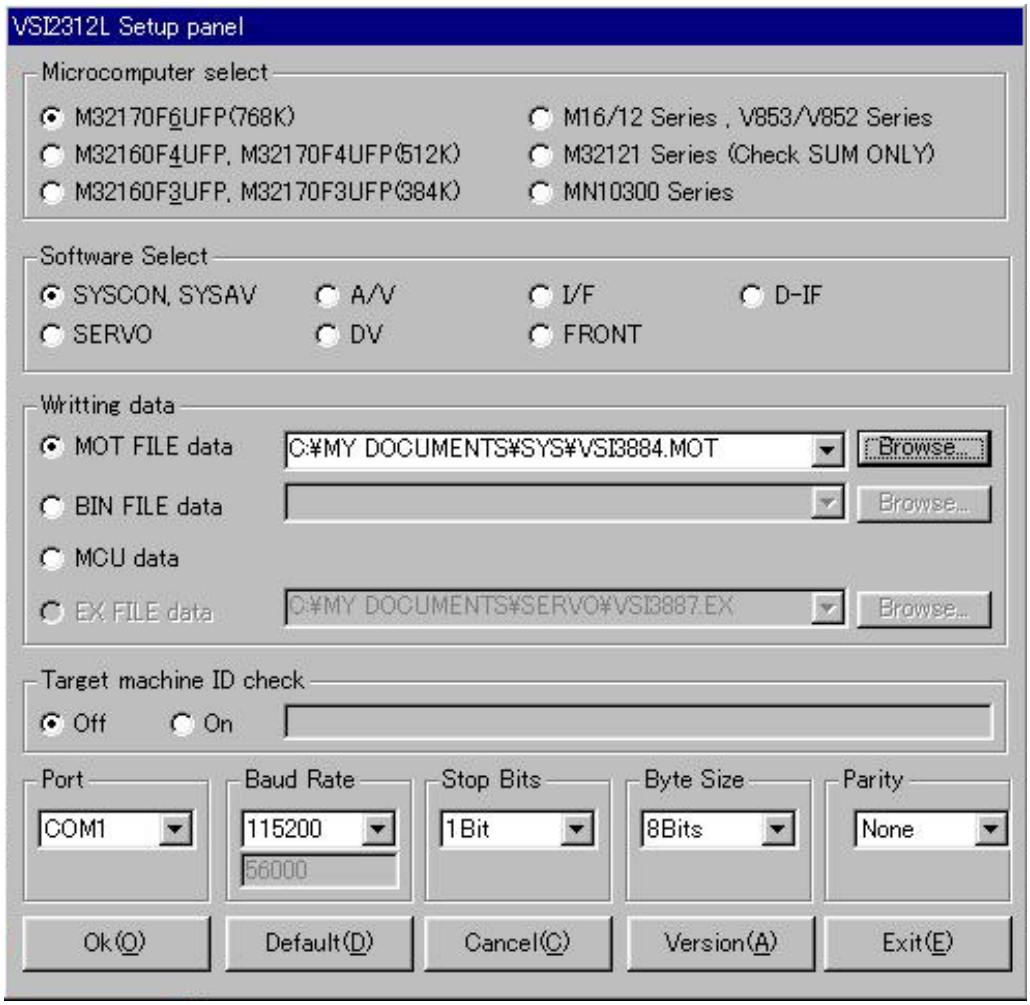


Figure 1

4. Select the each item as below;

Microcomputer select	MN10300 Series
Software select	SERVO
Writing data	EX FILE data →Select the Servo program software (VSIXXX.ex) which was copied at item 1)
Target machine ID check	Off (default)
Port	COM1
Baud Rate	115200
STOP Bits	1 Bit (default)
Byte Size	8 Bits (default)
Parity	None (default)

5. Press **“OK”** button so that the following screen appears Check sum is not calculated. (refer to figure 5)

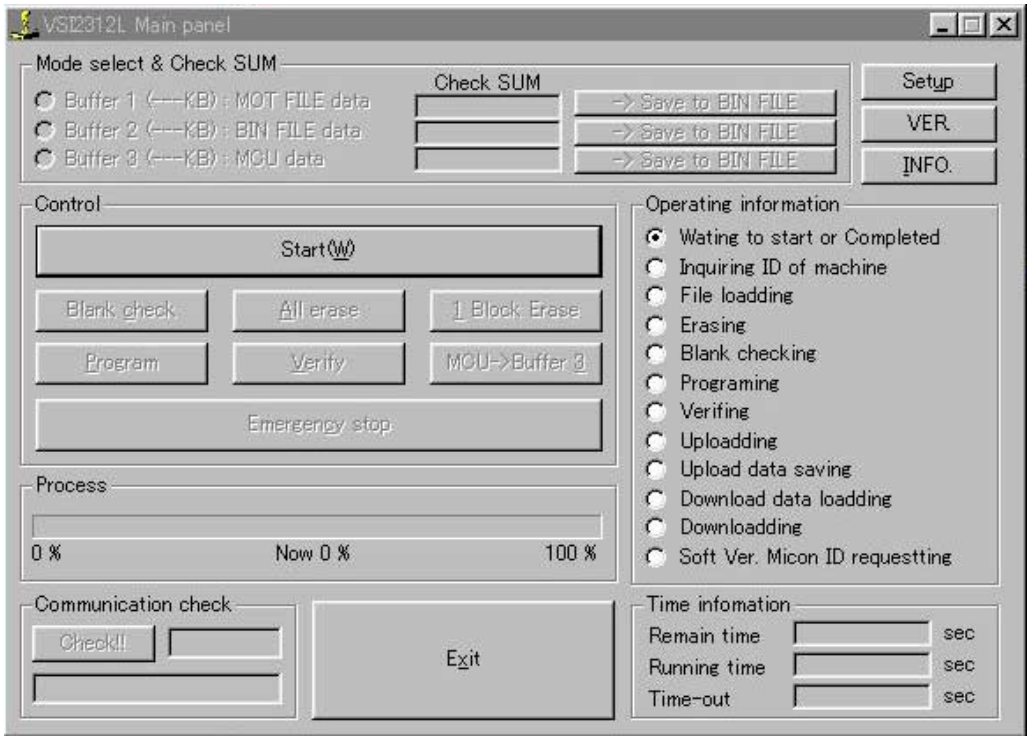


Figure 5

6. Press **“Start”** button so that the following comment appears in the MS DOS screen. (refer to figure 6)

“Do you continue? Y/N>

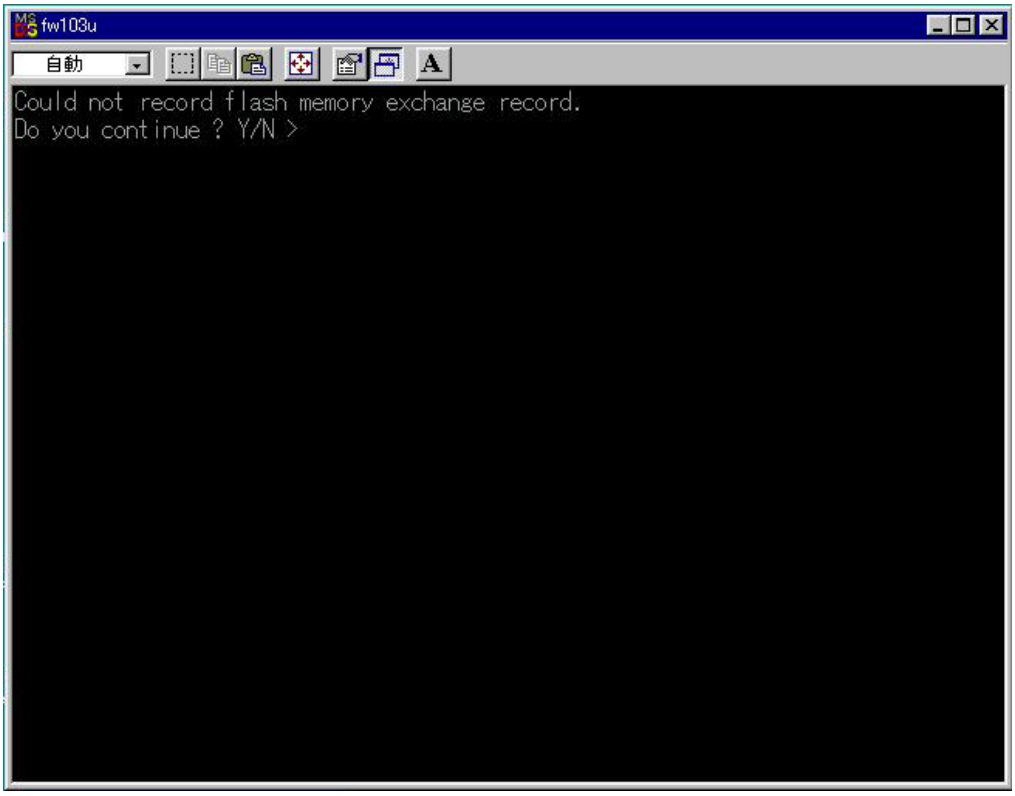


Figure 6

7. Select **“Y”** and press **“Enter”**, then the program will start. (refer to figure 7)

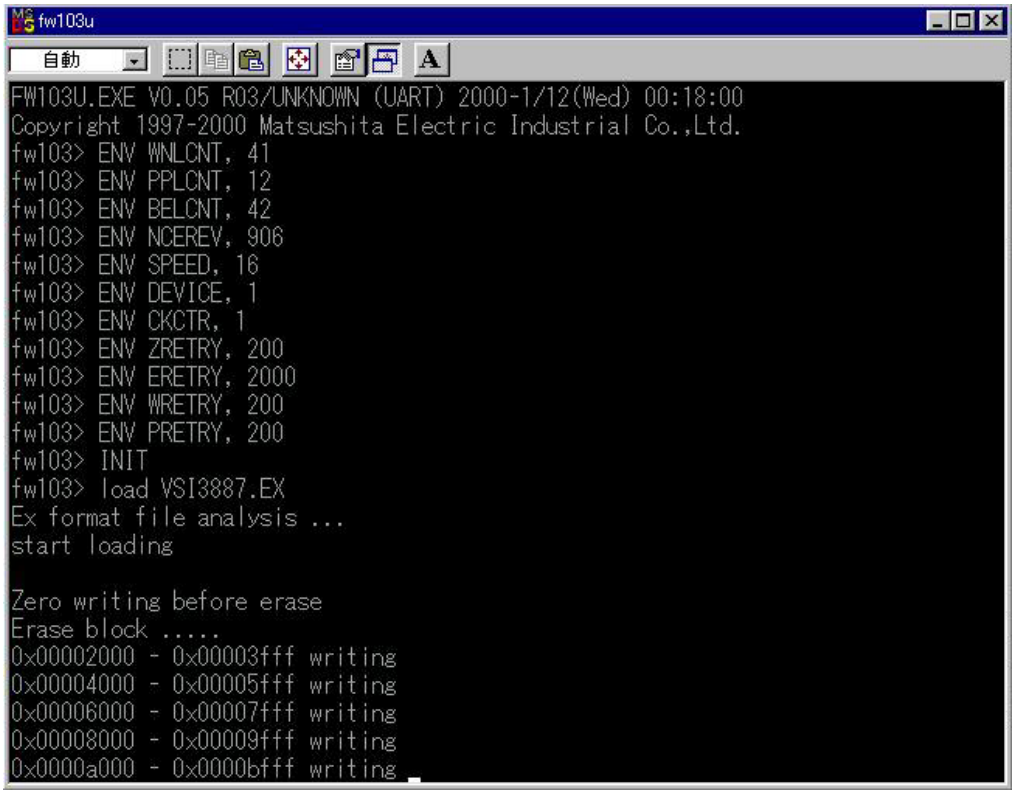


Figure 7

8. The screen display of MS-DOS changes to Windows screen after the programming complete.
9. Press **“Exit”** button to end the program.
10. Turn off and on the power of VTR in order to reboot the machine.
11. Confirm that software is updated.

12-3. PLD Version Upgrade Procedure

This Model uses **PLDs**. At the time of a version upgrade, use the special tool, connect to PLD Connector on the rear panel, and use the PLD writing software. (Pleare refer to the Microcomputer / PLD chart (P18).

12-3-1. PLD Version up Method 1 (ALTERA)

A. Preparation

ITEM	REMARK
CPLD WRITER	VFK1590 VFK1590P2 (VFK1590 standard)
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	MAX+plus II Software ver9.6 or over ver9.6 (Please access to www.altera.com/support/software/download/sof-download_center.html) and select **"ASAP 2"** in programming software portion in order to download it.
File NAME	jcf File (Included in "vvvsi xxxx" file). (Copy all files of the VVVSI**** which is included " *.jct " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

B. Connection

1. Connect the D-sub Cable between CN201(for ALTERA) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P2) between the connector at Rear Jack (refer to below) and P2 connector of CPLD WRITER. (Refer to Chart of PLD Writer and Figure 12-3-1.)
3. Turn on this model and Personal Computer (Windows mode).

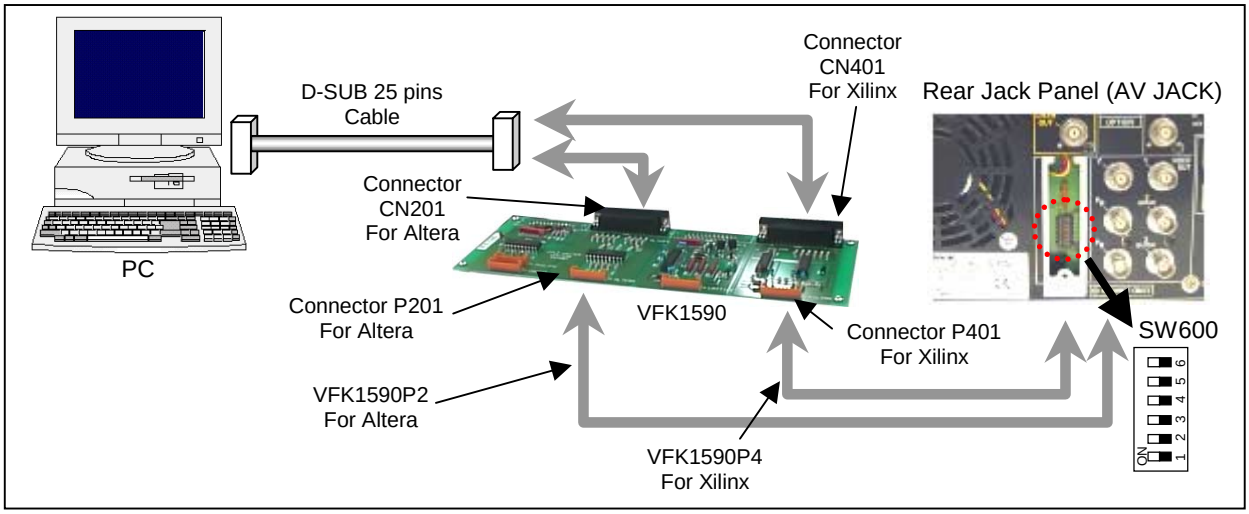


Figure 12-3-1 Connection for CPLD writer

C. Menu Select

1. Target PLD is selected by H08: PLD WR SEL in Other in Service Menu (Refer to Figure 1).

(reference)
The selection by DIP SW also can be done.
(refer to INF-17)

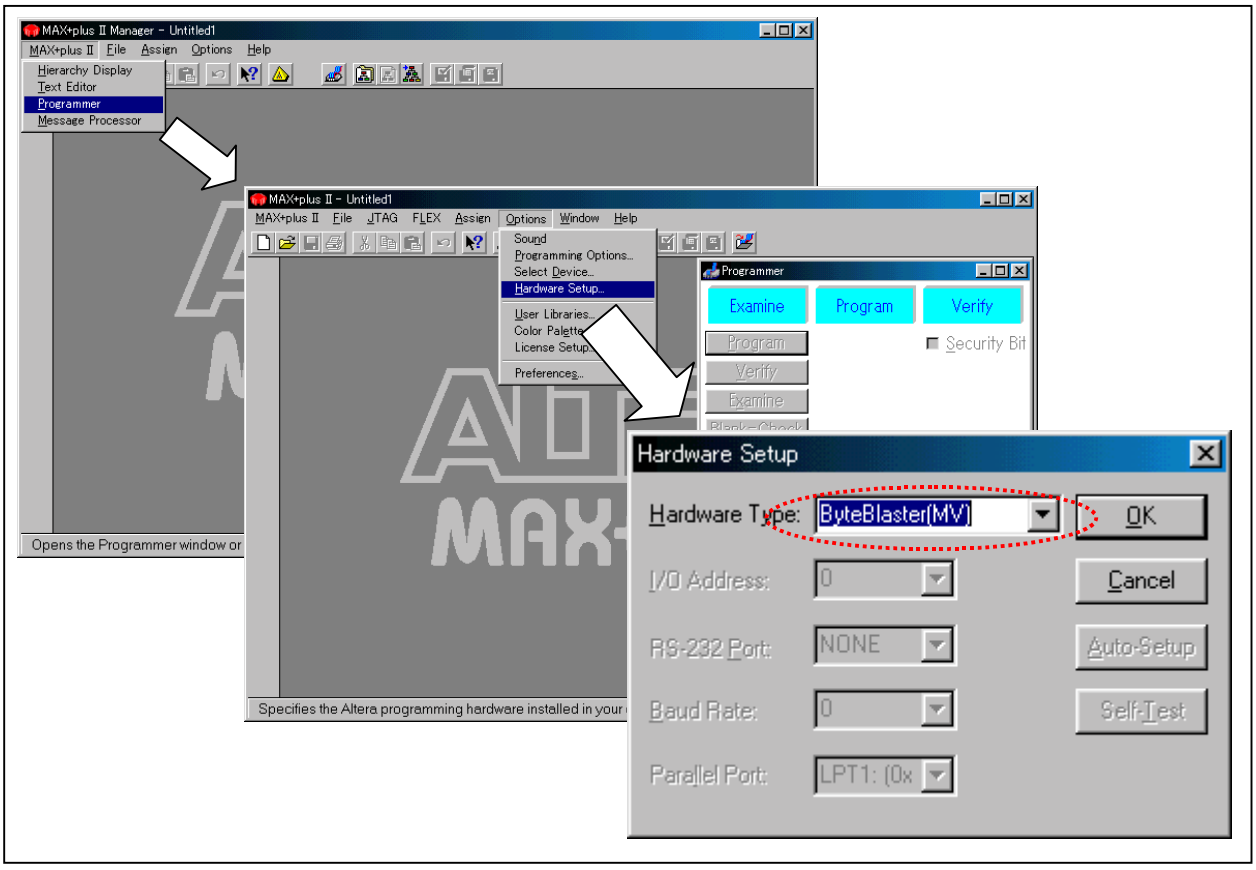
```
SERVICE –MENU : OTHER
              NO. H08

      H01   STILL LIMIT
      H02   LTC OUT SEL
      H03   SYSTEM TYPE
      H07   DET DISCOUNT
*     H08   PLD WR SEL
```

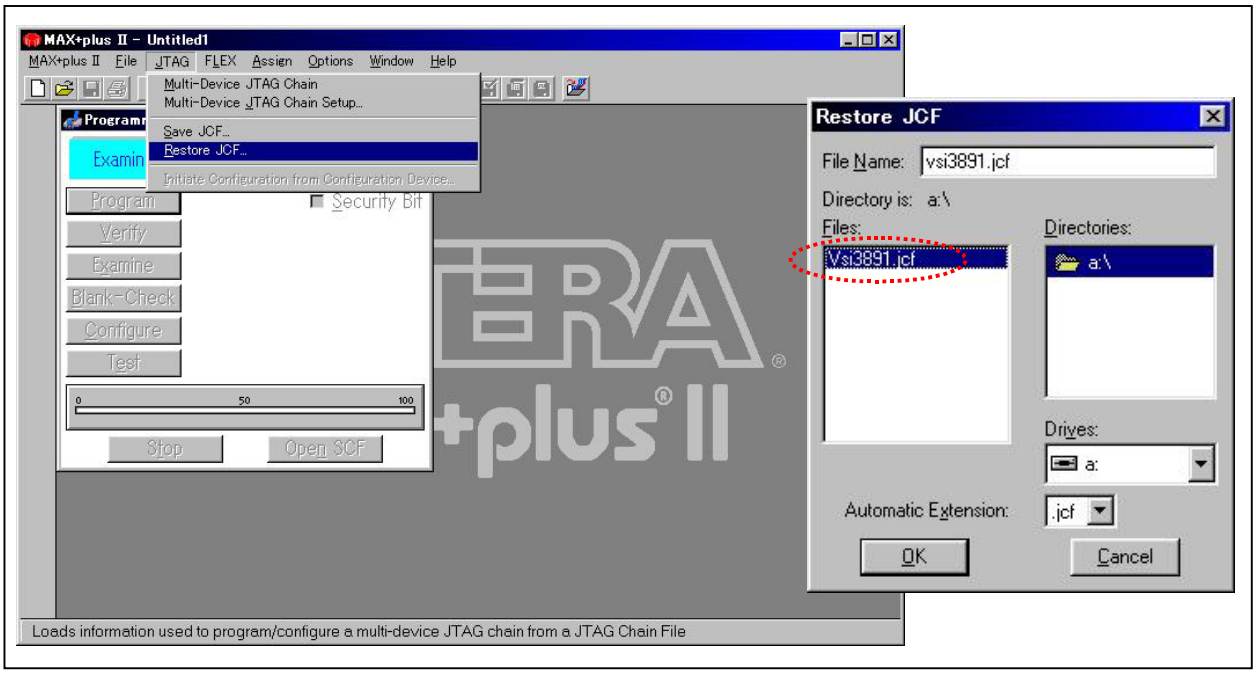
Figure 1

D. Boot up the Ver. up Software and Ver. up Procedure

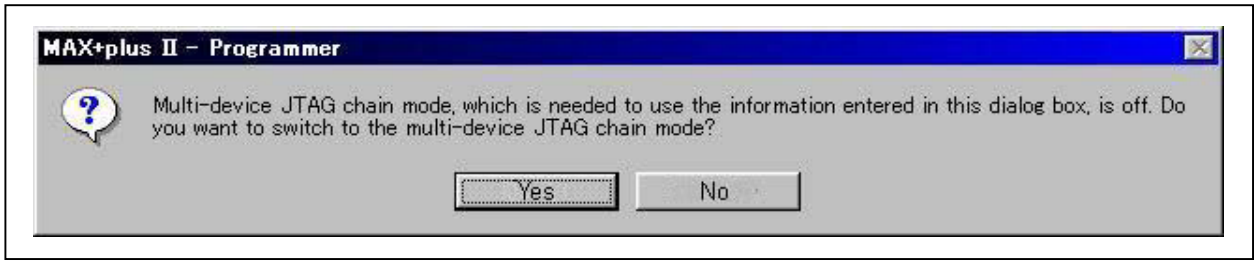
1. Insert floppy disk (which is included all files of the VVVSI***) to floppy drive.
2. Select **"start button"** on the Windows Screen and then **"Program"** and then boot up the **"MAX+plus II *** programmer only"** so that the following menu appears.
3. On main window, select tab **"MAX+plus II"** and then **"Programmer"**.
4. On main window (Programmer window is displayed), select tab **"Option"** and then **"Hardware Setup"**.
5. On **Hardware Setup** dialog, set the **"Hardware Type"** to **"Byte Blaster (MV) "**.



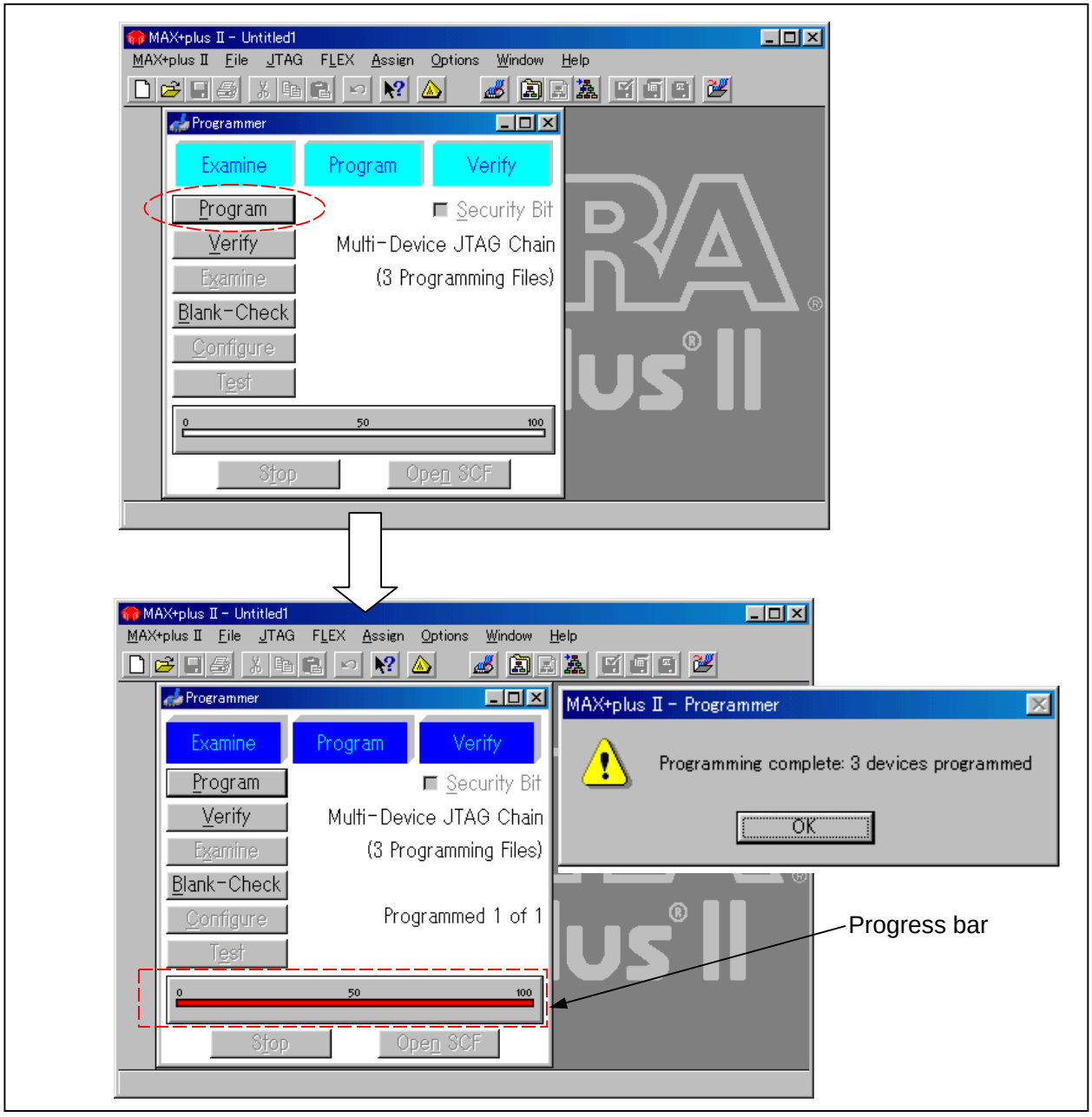
6. On main window, select tab **"JTAG"**, and then select **"Restore JCF…"**.
7. Select the floppy drive and then, select the **"jcf format file (***.jcf) on dialog box of Restore JCF"** and then press **"OK"** button.



8. If the following message appeared, Press **"Yes"** button.



9. Click the **"Program"** button on Programmer dialog.
10. When Progress Bar reaches at point of **100**, the message "Programming Complete" appears, then PLD version upgrade is completed. Click **"OK"** button on the **Programming complete** message Dialog.
11. Confirm that PLD version of VTR is updated. (refer to INF-10)



* MAX+PLUS are registered trademarks of Altera Corporation.

* Windows95 and Windows98 are registered trademarks of Microsoft Corporation.

12-3-2. PLD(FPGA) Version up Method 2 (XILINX)

A. Preparation

ITEM	REMARK
C PLD WRITER	VFK1590 VFK1590P4 (VFK1590 standard)
25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	XILINX WebPACK ISE Programmer (iMPACT) Software Please download from the following URL http://www.xilinx.com/support/download.htm 1. Open this page and then select "WebPACK ISE". 2. Before downloading, registration is required to get ID and Password. 3. After registration, click "Download ISE WebPACK" button. 4. Select "CUSTOM" in "Typical Download Configurations" menu. 5. Check **"FPGA Prog."** in "Custom Design Configuration" page. 6. Click Download button. 7. Follow the instruction of next page.
Version Upgrade Data	cdf File (Included in VVVSI**** file). (Copy all files of the VVVSI**** which is included " *.cdf " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

B. Connection and Preparation

1. Connect the D-sub Cable between CN401(for XILINX) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P4) between PLD version up connector on the rear jack panel and P401 connector of CPLD WRITER. (Refer to Figure 12-3-1.)
3. Turn on the VTR and Personal Computer (Windows mode).

C. Menu Select

1. Target PLD is selected by H08: PLD WR SEL in Other in Service Menu (Refer to Figure 1).

```
SERVICE –MENU : OTHER
              NO. H08

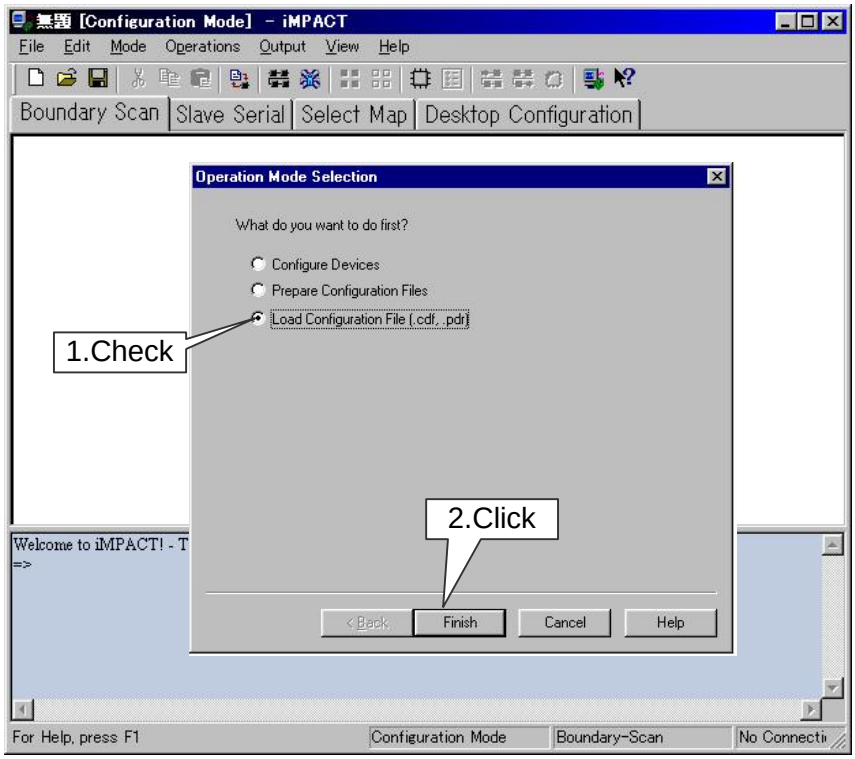
      H01   STILL LIMIT
      H02   LTC OUT SEL
      H03   SYSTEM TYPE
      H07   DET DISCOUNT
*     H08   PLD WR SEL
```

Figure 1

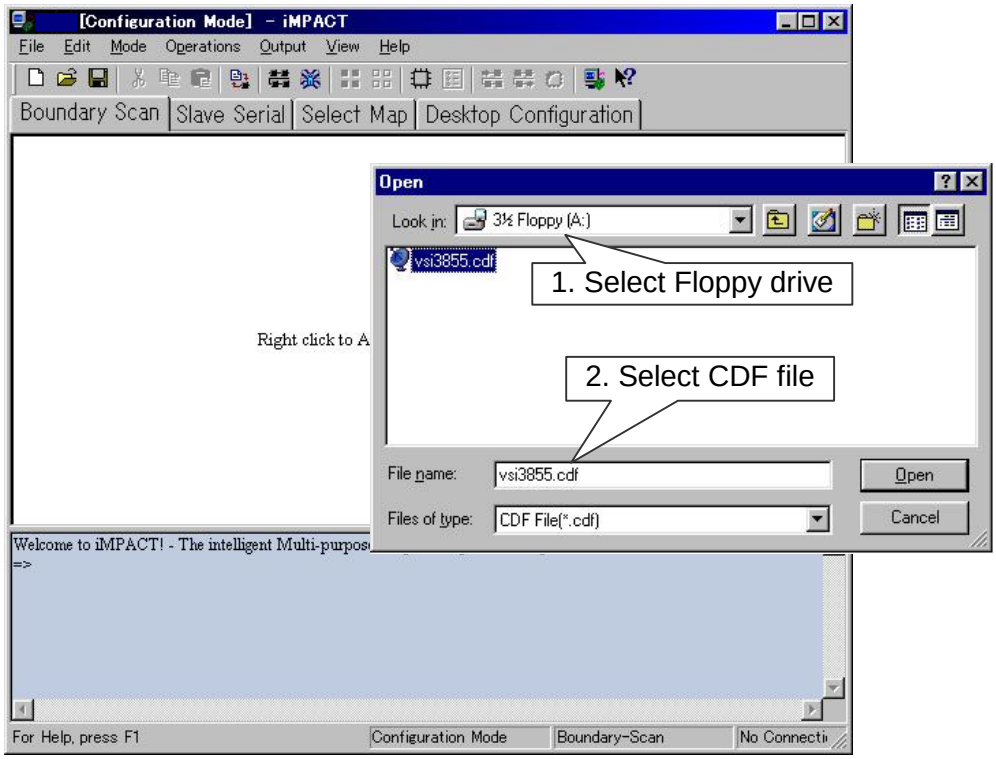
(reference)
The selection by DIP SW also can be done. (refer to INF-17)

D. Boot up the Ver. Up Software and Ver. up Procedure

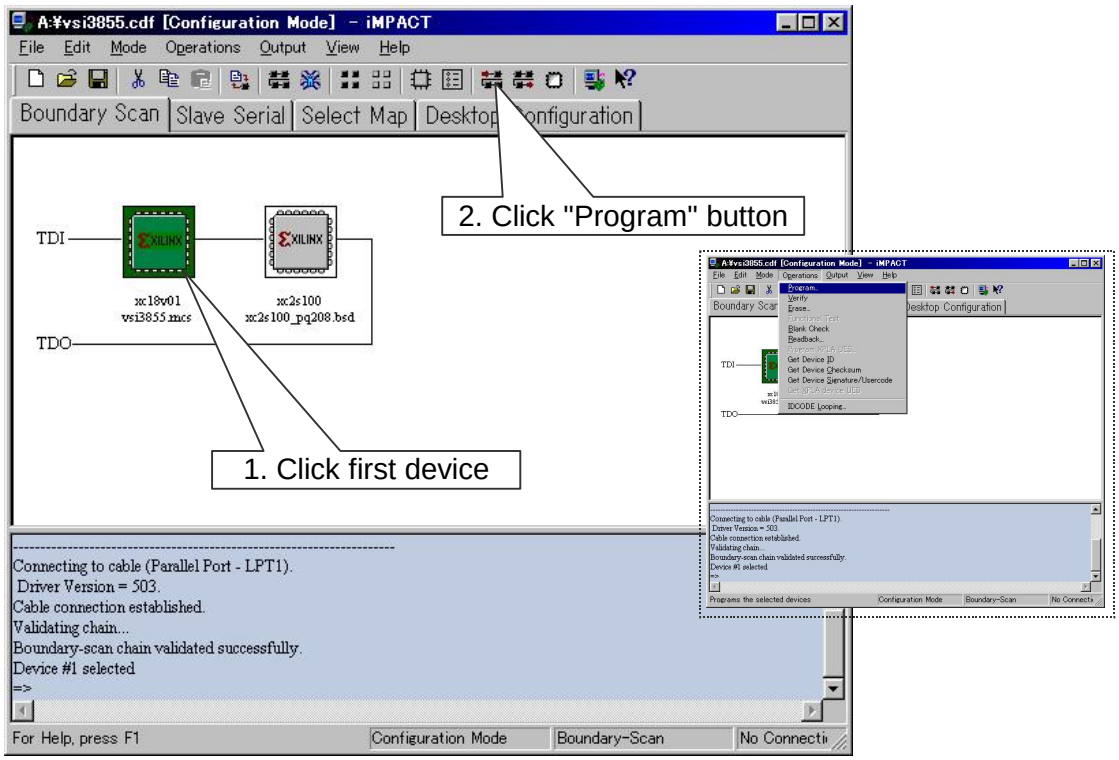
1. Insert floppy disk (which is included all files of the VVVSI***) to floppy drive.
2. Install the WebPACK ISE program. “Xilinx Webpack” folder is created on windows.
3. Click the start button of windows and select "Program" and “Xilinx Webpack”.
4. Select the "Device Programer" and then following screen appears.
5. Check the "Load Configuration Files", and click "Finish" button.



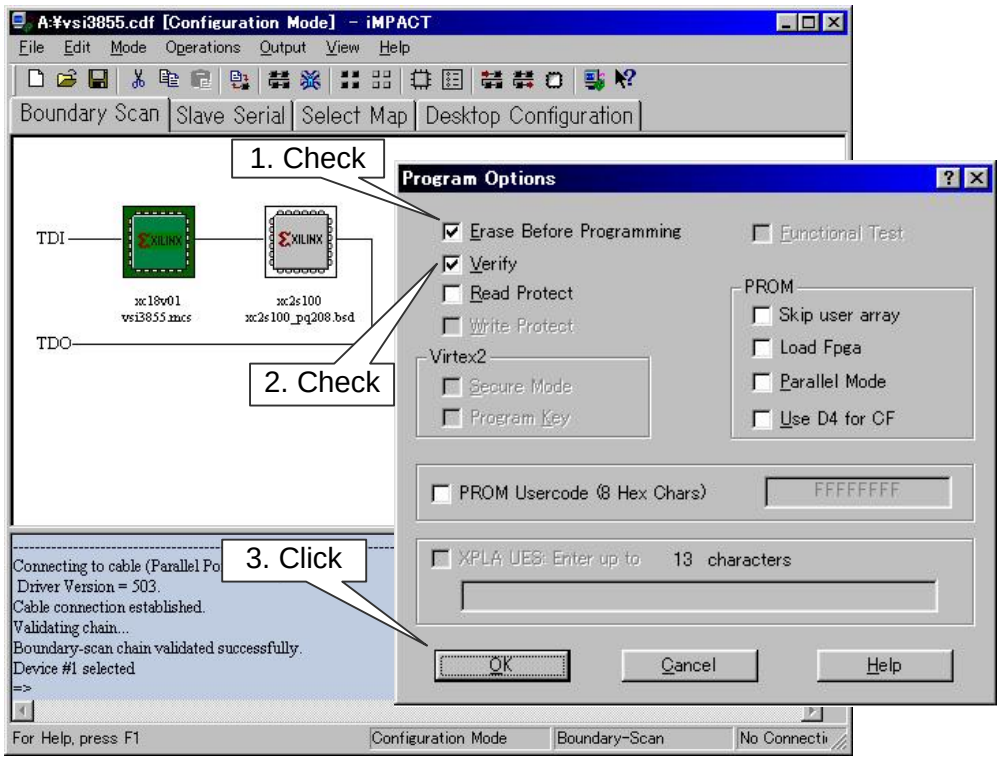
6. Select the floppy drive and then select the **“ *.cdf ”** file.
   (CDF is **C**hain **D**escription **F**ile, This file can write several CPLDs on the same board like a chain.)
7. Click the **“Open”** button.



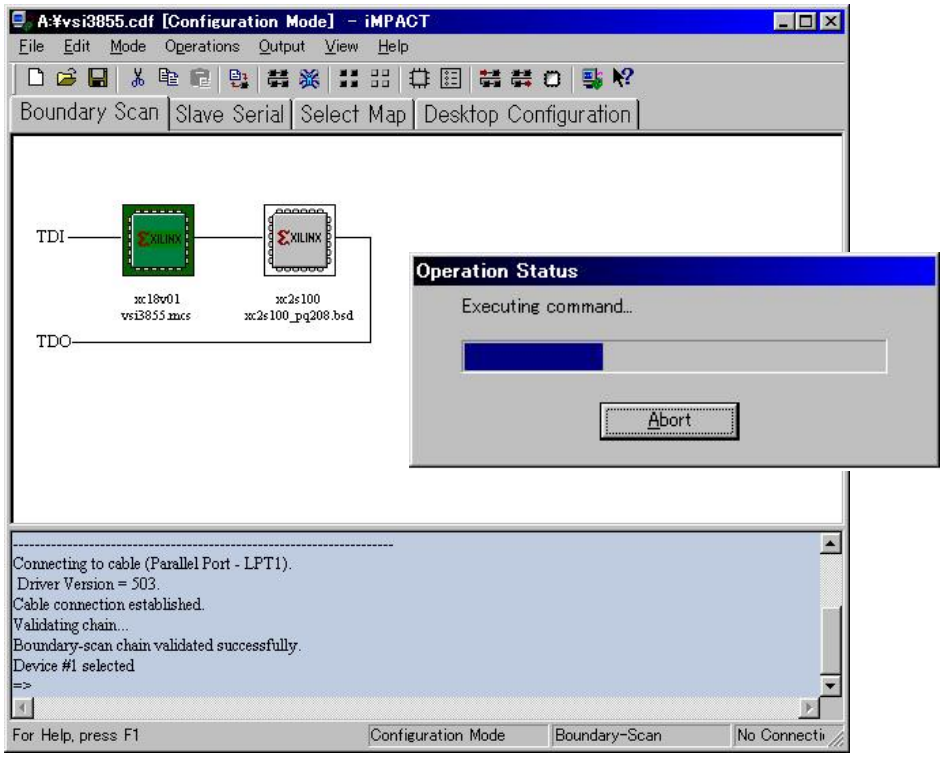
8. Click the first device (change the colour to green) then click the **"program"** button to open the **"Program Options"** dialog box or select **"Operations"** in the menu then select **"Program"**.



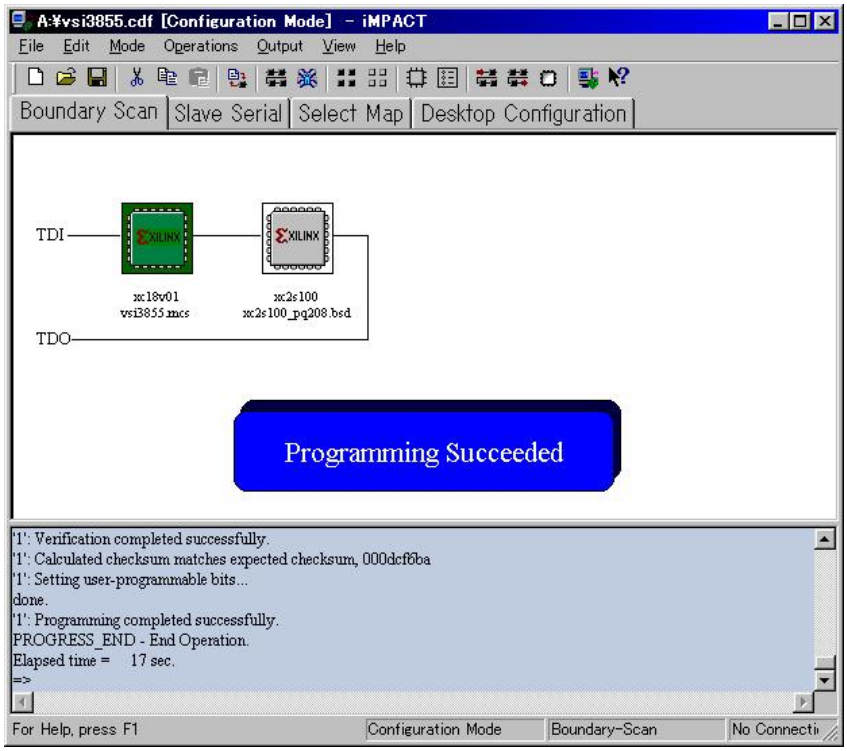
9. Check the **"Erase Before Programing"** and **"Verify"** in the dialog box of Program Options.



10. Then click **"OK"** button to start the programing and verifying.



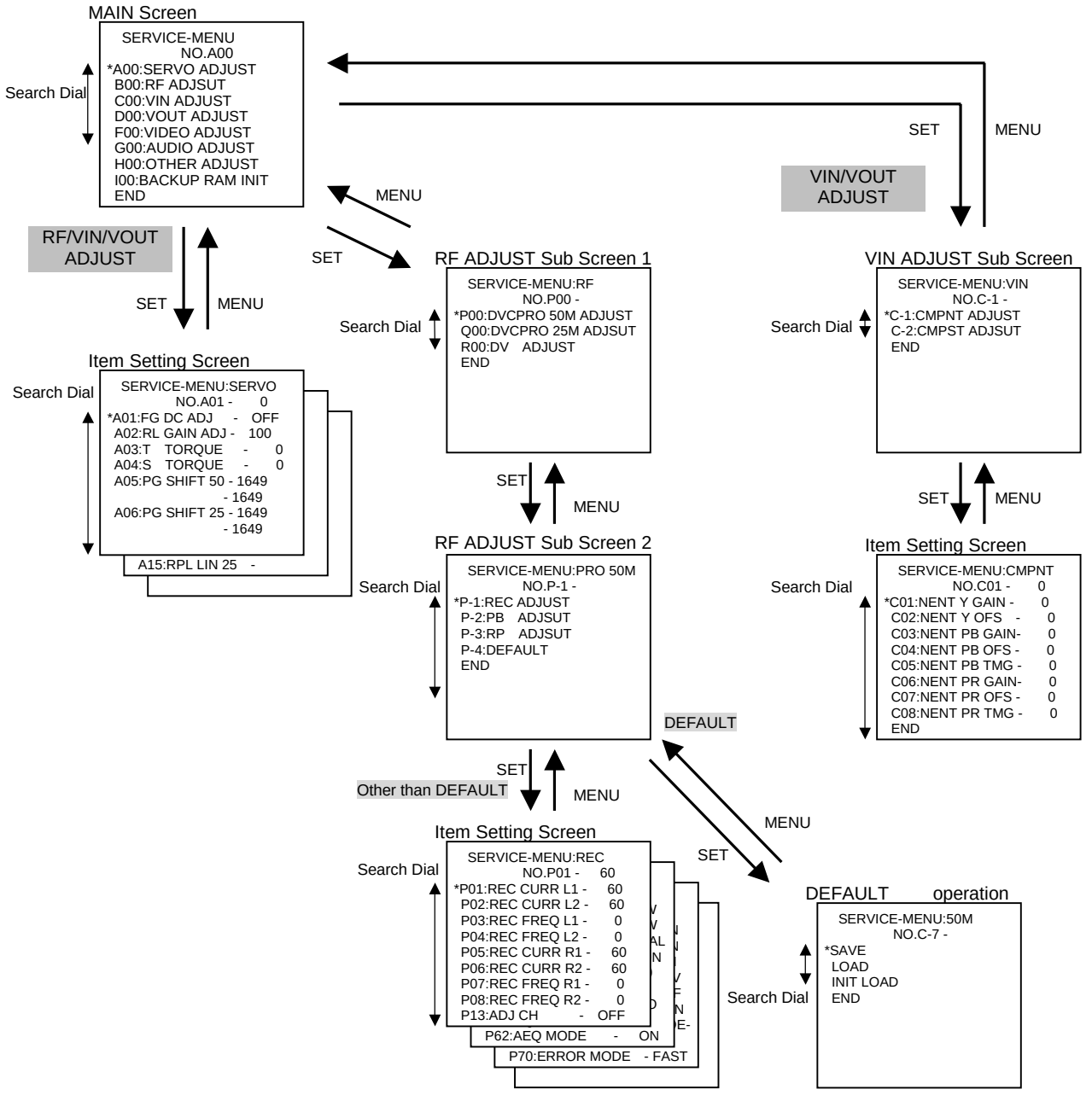
11. When the programming is completed, The following dialog is appeared.
12. Confirm that PLD version of VTR is updated. (refer to INF-10)



13. SERVICE MENU

13-1. Service Menu Operation Method

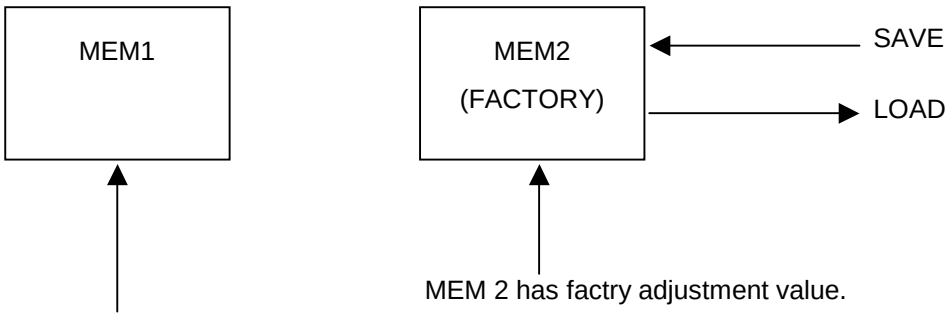
1. Confirm that the **"REMOTE/LOCAL"** switch on the front panel is set to the **"LOCAL"**.
2. Press the **"MENU"** button on the front panel to display the **"SETUP-MENU"**.
3. When the **"SETUP-MENU"** is displayed, press the **"MENU"** button while pressing the **"EJECT"** button and the **"STOP"** button. Then, the **"SERVICE-MENU"** is displayed.
4. Move the cursor **" * "** with the Search Dial to select any main item among items from A00 to I00. PUSH the set button to move into Sub Screen.
5. If any of main items **(A00, F00, G00, H00, I00)** other than the RF adjustment **(B00)**, the V IN adjustment **(C00)** and the V OUT adjustment **(D00)** is selected, the **item setting screen** of the selected main item is displayed by pressing the **"SET"** button on the front panel.
6. For the RF adjustment **(B00)**, the V IN adjustment **(C00)** and the V OUT adjustment **(D00)**, select the item on the **Sub Screen**, and then, press the **"SET"** button. Then, the item setting screen of the selected item is displayed.
7. Settings can be altered by rotating the Search Dial while Search button is pushed.
8. Press Menu button to end Service mode.



13-2. DEFAULT Operation

*** RF adjustment (B00)**

The VTR have two memory area for the adjustment value as indicated below.



MEM 1 is always renewed in accordance with the adjustment value on the RF and EQ adjustment menu.

*** Operating procedures**

1. Move the cursor **" * "** onto the **"P-4/Q-4/R-5 : DEFAULT"**.
2. press the **"SET"** button on the front panel.
3. Select the objective item by rotating Search Dial **" * "** onto the objective item.

   SAVE : The present setting is saved to MEM 2 as the factory adjustment.

   LOAD : The saved backup value can be loaded to MEM 1 as the current setting.

   INIT LOAD : The default value is loaded to MEM 1.
   The default value is different from the factory adjustment value.

4. Press the **"SET"** button on the front panel. Then, the selected operation is carried out, and then, the item setting screen is displayed again.

13-3. Service Menu Contents

A00: SERVO ADJUST

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
A01	FG DC ADJ	0 1 2 3 4 5	OFF OK CAP NG SRL NG TRL NG	Automatic adjustment of the DC offset of the capstan, S/T-Reel FG.	Yes	
A02	RL GAIN ADJ	T REEL		Automatic adjustment of the reel torque of the S/T-Reel.	Yes	
		0 | 100 | 255	0 | 100 | 255			
		S REEL				
		0 | 100 | 255	0 | 100 | 255			
A03	T TORQUE	-128 | 0 | 127	-128 | 0 | 127	Compensation of the T-reel driver offset value	Yes	
A04	S TORQUE	-128 | 0 | 127	-128 | 0 | 127	Compensation of the S-reel driver offset value	Yes	
A05	PG SHIFT 50	RISE		Alignment tape is used for PG mono-multi automatic adjustment.	Yes	
		0 | 1649 | 4095	0 | 1649 | 4095			
		FALL				
		0 | 1649 | 4095	0 | 1649 | 4095			
A06	PG SHIFT 25	RISE		Alignment tape is used for PG mono-multi automatic adjustment.	Yes	
		0 | 1649 | 4095	0 | 1649 | 4095			
		FALL				
		0 | 1649 | 4095	0 | 1649 | 4095			
A07	T PHOTO		Voltage value 0.0V | 3.3V	Indication of the detection voltage of the photo sensor for beginning and end detection on the T-side This is used for adjustment of the sensitivity of the photo sensor.	No	
A08	S PHOTO		Voltage value 0.0V | 3.3V	Indication of the detection voltage of the photo sensor for beginning and end detection on the S-side This is used for adjustment of the sensitivity of the photo sensor.	No	
A09	TENSION	0 1	Non-display ON	Loading operation for tension offset adjustment	No	

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
A10	X VALUE 50	-128 | 0 | 127	-128 | 0 | 127	Electrical fine adjustment of the X-value	Yes	
A11	X VALUE 25	-128 | 0 | 127	-128 | 0 | 127	Electrical fine adjustment of the X-value	Yes	
A12	RPL GAIN 50	-128 | 0 | 127	-128 | 0 | 127	LISTA sensitivity adjustment for RPL1/RPL2 head	Yes	
A13	RPL LIN 50	0 1	Non-display ON	Adjustment of the Lista linearity for RPL1/RPL2 head	No	
A14	RPL GAIN 25	-128 | 0 | 127	-128 | 0 | 127	LISTA sensitivity adjustment for RPL1/RPL2 head	Yes	
A15	RPL LIN 25	0 1	Non-display ON	Adjustment of the Lista linearity for RPL1/RPL2 head	No	
A16	PBL GAIN 50	-128 | 0 | 127	-128 | 0 | 127	LISTA sensitivity adjustment for PBL1/PBL2 head	Yes	
A17	PBL GAIN 25	-128 | 0 | 127	-128 | 0 | 127	LISTA sensitivity adjustment for PBL1/PBL2 head	Yes	
A18	RPR GAIN DV	-128 | -60 | 127	-128 | -60 | 127	LISTA sensitivity adjustment for RPR1/RPR2 head	Yes	
A19	TRK VAL 50	-128 | 0 | 127	-128 | 0 | 127	The CTL tracking offset value can be changed	No	
A20	TRK VAL 25	-128 | 0 | 127	-128 | 0 | 127	The CTL tracking offset value can be changed	No	

B00: RF ADJUST

RF ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
P00	DVCPRO 50M ADJUST	Adjustment for DVCPRO50 (50 Mbps)
Q00	DVCPRO 25M ADJUST	Adjustment for DVCPRO (25 Mbps)
R00	DV ADJUST	Adjustment for DV

DVCRRO 50M ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
P-1	REC ADJUST	Adjustment of the recording system for DVCPRO50 (50 Mbps)
P-2	PB ADJUST	Adjustment of the playback system (PB head) for DVCPRO50 (50 Mbps)
P-3	RP ADJUST	Adjustment of the playback system (RP head) for DVCPRO50 (50 Mbps)
P-4	DEFAULT	LOAD/SAVE of the factory default adjustment values/initial values LOAD operation • Perform operation in regard to the adjustment values for DVCPRO50 (50 Mbps). Operation: 1. Move the cursor to P-4: DEFAULT and press “set” button. 2. Turn the search dial button and move the cursor to the desired operation item. SAVE ... Save the present set values as the factory default values. LOAD ... Load the saved factory default values as the present set values. (When SAVE operation has not been performed, the initial values will be loaded.) [INIT LOAD ... Load the initial value (which designer decide) as the present set values.] 3. When the SET button is pressed, the selected operation will be performed and it will return to the item setting screen. When the MENU button is pressed, no operation will be performed and it will return the item setting screen.

DVCRRO 25M ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
Q-1	REC ADJUST	Adjustment of the recording system for DVCPRO (25 Mbps)
Q-2	PB ADJUST	Adjustment of the playback system (PB head) for DVCPRO (25 Mbps)
Q-3	RP ADJUST	Adjustment of the playback system (RP head) for DVCPRO (25 Mbps)
Q-4	DEFAULT	LOAD/SAVE of the factory default adjustment values/initial values LOAD operation • Perform operation in regard to the adjustment values for DVCPRO (25 Mbps). Operation: 1. Move the cursor to Q-4: DEFAULT and press “set” button. 2. Turn the search dial button and move the cursor to the desired operation item. SAVE ... Save the present set values as the factory default values. LOAD ... Load the saved factory default values as the present set values. (When SAVE operation has not been performed, the initial values will be loaded.) [INIT LOAD ... Load the initial value (which designer decide) as the present set values.] 3. When the SET button is pressed, the selected operation will be performed and it will return to the item setting screen. When the MENU button is pressed, no operation will be performed and it will return the item setting screen.

DV ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
R-3	RP ADJUST	Adjustment of the playback system (RP head) for DV
R-4	DEFAULT	LOAD/SAVE of the factory default adjustment values/initial values LOAD operation • Perform operation in regard to the adjustment values for DV. Operation: 1. Move the cursor to R-4: DEFAULT and press “set” button. 2. Turn the search dial button and move the cursor to the desired operation item. SAVE ... Save the present set values as the factory default values. LOAD ... Load the saved factory default values as the present set values. (When SAVE operation has not been performed, the initial values will be loaded.) [INIT LOAD ... Load the initial value (which designer decide) as the present set values.] 3. When the SET button is pressed, the selected operation will be performed and it will return to the item setting screen. When the MENU button is pressed, no operation will be performed and it will return the item setting screen.

REC ADJUST (DVCPRO 50M ADJUST, DVCPRO 25M ADJUST subscreen)

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P01 Q01	REC CURR L1	P01 -128 | 60 | 127 Q01 -128 | 60 | 127	P01 -128 | 60 | 127 Q01 -128 | 60 | 127	Adjustment of the RP L1 head recording current	Yes	Use for electrical adjustment
P02 Q02	REC CURR L2	P02 -128 | 60 | 127 Q02 -128 | 60 | 127	P02 -128 | 60 | 127 Q02 -128 | 60 | 127	Adjustment of the RP L2 head recording frequency characteristic	Yes	Use for electrical adjustment
P03 Q03	REC FREQ L1	P03 -128 | 60 | 127 Q03 -128 | 0 | 127	P03 -128 | 60 | 127 Q03 -128 | 0 | 127	Adjustment of the RP L1 head recording frequency characteristic	Yes	Use for electrical adjustment
P04 Q04	REC FREQ L2	P04 -128 | 60 | 127 Q04 -128 | 0 | 127	P04 -128 | 60 | 127 Q04 -128 | 0 | 127	Adjustment of the RP L2 head recording frequency characteristic	Yes	Use for electrical adjustment
P05 Q05	REC CURR R1	P05 -128 | 60 | 127 Q05 -128 | 60 | 127	P05 -128 | 60 | 127 Q05 -128 | 60 | 127	Adjustment of the RP R1 head recording current	Yes	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P06 Q06	REC CURR R2	P06 -128 | 60 | 127 Q06 -128 | 60 | 127	P06 -128 | 60 | 127 Q06 -128 | 60 | 127	Adjustment of the RP R2 head recording f characteristic	Yes	Use for electrical adjustment
P07 Q07	REC FREQ R1	P07 -128 | 60 | 127 Q7 -128 | 0 | 127	P07 -128 | 60 | 127 Q7 -128 | 0 | 127	Adjustment of the RP R1 head recording frequency characteristic	Yes	Use for electrical adjustment
P08 Q08	REC FREQ R2	P08 -128 | 60 | 127 Q08 -128 | 0 | 127	P08 -128 | 60 | 127 Q08 -128 | 0 | 127	Adjustment of the RP R2 head recording frequency characteristic	Yes	Use for electrical adjustment
P13 Q13	ADJ CH	0 1 2 3 4	OFF PBL PBR RPL RPR	Channel(Head) selection for recording adjustment • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P14 Q14	BPF FREQ	P14 0 1 Q14 0 1	P14 HIGH LOW Q14 HIGH LOW	Setting of BPF target frequency for recording adjustment • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P15 Q15	BPF AREA	0 1	HIGH LOW	Setting of BPF frequency area for recording adjustment • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P16 Q16	REC DATA	0 1	NORMAL CW	Recording data selection	No	**Factory use only**
P17 Q17	XCAN MODE	0 1	OFF ON	Crosstalk canceler ON/OFF setting • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P18 Q18	XCAN DELAY	0 | 15	0 | 15	Setting of REC data delay quantity for crosstalk canceler	Yes	**Factory use only**
P19 Q19	XCAN SPD	0 1 2 3	0 1 2 3	Setting of adaptation processing speed for closstalk canceler	Yes	**Factory use only**
P60 Q60	VITERBI MODE	0 1 2 3	OFF PR4 EPR4 AUTO	Setting whether Viterbi decoding is to be used for detection of playback data or not • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P61 Q61	EQ STB	0 1	OFF ON	ON/OFF setting for the automatic standby detection function Automatic standby detection function: When the playback envelope is not detected for several seconds, the mode automatically shifts to standby mode (the mode where playback processing is stopped and the VCO center frequency is adjusted automatically). • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P62 Q62	AEQ MODE	0 1	OFF ON	Setting of the Adaptive EQ function of the adaptive equalization filter • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P63 Q63	AEQ HOLD	0 1	OFF ON	ON/OFF setting for the function for temporary holding of adaptive equalization control during the transitional period when the relative speed changes. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P64 Q64	FLT MODE	0 1	OFF ON	ON/OFF setting for the fault detection function Fault detection function: When the adaptive filter or the PLL drops into a divergent state at the time of mode switching like search etc., and a status is detected where no normal signal can be detected over a period of 5 tracks or more, this function pulls the status of the adaptive filter or the PLL to the initial status. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P65 Q65	PLL MONI	0 1	OFF ON	ON/OFF setting for PLL frequency monitor control Frequency monitor control: When a status is detected where the playback clock frequency at the time of mode switching during playback is outside the permissible range set by MONI LIM PB1 for the specified time or longer, this function automatically pulls the frequency back to the reference frequency corresponding to the relative speed. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P66 Q66	MONI KINDSEL	1 2 3	ENV EYEE EYEO	Selection of monitor signal • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P67 Q67	MONI CHSEL	0 1 2 3 4	OFF PBL PBR RPL RPR	Selection of monitor channel(Head) • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P68 Q68	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P69 Q69	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P70 Q70	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P71 Q71	TRACKING MOD	0 1	ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P72 Q72	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking • Effective only at the time of TRACKING MOD = CTL. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P73 Q73	ATF HEAD	0 1	PB RP	Head selection for ATF tracking 0: PB head 1: RP head	No	

PB ADJUST (DVCPRO 50M ADJUST, DVCPRO 25M ADJUST sub-screen)

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P01 Q01	PHS L1	-128 | -20 | 127	-128 | -20 | 127	Adjustment of the L1 head playback phase	Yes	Use for electrical adjustment
P02 Q02	PHS L2	-128 | -20 | 127	-128 | -20 | 127	Adjustment of the L2 head playback phase	Yes	Use for electrical adjustment
P03 Q03	MAG L1	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the L1 head playback amplitude	Yes	Use for electrical adjustment
P04 Q04	MAG L2	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the L2 head playback amplitude	Yes	Use for electrical adjustment
P05 Q05	PHS R1	-128 | -20 | 127	-128 | -20 | 127	Adjustment of the R1 head playback phase	Yes	Use for electrical adjustment
P06 Q06	PHS R2	-128 | -20 | 127	-128 | -20 | 127	Adjustment of the R2 head playback phase	Yes	Use for electrical adjustment
P07 Q07	MAG R1	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the R1 head playback amplitude	Yes	Use for electrical adjustment
P08 Q08	MAG R2	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the R2 head playback amplitude	Yes	Use for electrical adjustment
P09 Q09	ENV L1	0 | 255	0 | 255	Playback signal envelope level read-out value averaged for each track of each head ENV L1: L1 head ENV L2: L2 head Averaging is performed at 8 points in the track, and the newest track value for which averaging has been completed at the time when read-out is started will be read out. • Read-out is possible only at the time of PLAY and REC.	Yes	**Factory use only**
P10 Q10	ENV L2	0 | 255	0 | 255		Yes	**Factory use only**
P11 Q11	ENV R1	0 | 255	0 | 255		Yes	**Factory use only**
P12 Q12	ENV R2	0 | 255	0 | 255		Yes	**Factory use only**
P13 Q13	AGC SPD	0 | 3	0 | 3	Setting of the AGC response speed	Yes	**Factory use only** **Do not change any setting**
P14 Q14	AEQ SPD	0 1 2 3	0 1 2 3	The control response speed for the adaptive equalization filter is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	**Factory use only** **Do not change any setting**
P15 Q15	HLD SEN	0 1 2 3	0 1 2 3	The detection sensitivity for detection of changes in the relative speed is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	**Factory use only** **Do not change any setting**

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P16 Q16	FLT SEN	0 1 2 3	0 1 2 3	The detection sensitivity for the fault detection function is set in four levels. A fault status is detected when a status where a normal signal can not be detected consecutively for 5 tracks over the following track values. 0: 1/2 1: 3/4 2: 7/8 3: 15/16	Yes	**Factory use only** **Do not change any setting**
P17 Q17	PLLREV	0 1	SLOW FAST	The compensation speed in PLL frequency compensation mode is set in two levels	Yes	**Factory use only** **Do not change any setting**
P18 Q18	PLL PHS	0 | 9 | 31	0 | 9 | 31	In the PLL response speed setting, mainly the phase pull-in speed is controlled. The response speed becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**
P19 Q19	REV LEV	0 1 2 3	0 1 2 3	The strength of the frequency pull-in operation of the PLL phase comparison characteristic expansion function is controlled in four levels. The action is weakest with 0 and strongest with 3. When the data acquisition ratio at the time of special playback is bad, it can be improved by controlling this parameter.	Yes	**Factory use only** **Do not change any setting**
P20 Q20	PLL FRQ	0 | 8 | 31	0 | 8 | 31	The setting of the PLL response speed controls mainly the frequency pull-in speed. The response becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**
P21 Q21	MONI LIM W	0 | 28 | 127	0 | 28 | 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is (set value)/10.24%.	Yes	**Factory use only** **Do not change any setting**
P22 Q22	MONI LIM N	0 | 28 | 127	0 | 28 | 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is (set value)/10.24%.	Yes	**Factory use only** **Do not change any setting**
P23 Q23	TH EYE	0 | 110 | 255	0 | 110 | 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	**Factory use only** **Do not change any setting**
P24 Q24	TH ULK	0 | 98 | 255	0 | 98 | 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	**Factory use only** **Do not change any setting**
P25 Q25	TH ENV	0 | 16 | 255	0 | 16 | 255	Setting of the threshold value for the envelope detection signal The envelope detection signal is used for adaptive equalization filter, PLL, and AGC hold control.	Yes	**Factory use only** **Do not change any setting**
P26 Q26	PLL LIM	0 | 7	0 | 7	In the PLL response speed setting, mainly the phase pull-in speed is controlled.	Yes	**Factory use only** **Do not change any setting**
P27 Q27	VCO L	0 | 512 | 1023	0 | 512 | 1023	Setting of the initial value of the output voltage adjusting the VCO center frequency Adjustment is performed automatically in standby mode, but the time required for automatic adjustment can be reduced by setting this value in advance to a suitable value.	Yes	Use for electrical adjustment
P28 Q28	VCO R	0 | 512 | 1023	0 | 512 | 1023	The automatically adjusted value is read out and set. • Read-out is possible only at the time of EJECT, STANDBY-OFF.	Yes	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P29 Q29	T L1 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the L1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC.	Yes	Use for electrical adjustment
P30 Q30	T L1 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P31 Q31	T L1 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P32 Q32	T L1 1B	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P33 Q33	T L1 2B	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P34 Q34	T L1 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
P35 Q35	T L2 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the L2 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC.	Yes	Use for electrical adjustment
P36 Q36	T L2 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P37 Q37	T L2 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P38 Q38	T L2 1B	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P39 Q39	T L2 2B	-40 | 0 | 31	-40 | 0 | 31		Yes	Use for electrical adjustment
P40 Q40	T L2 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
P41 Q41	T R1 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the R1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC.	Yes	Use for electrical adjustment
P42 Q42	T R1 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P43 Q43	T R1 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P44 Q44	T R1 1B	-88 | -32 | -4	-88 | -32 | -4	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the R1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC.	Yes	Use for electrical adjustment
P45 Q45	T R1 2B	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P46 Q46	T R1 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
P47 Q47	T R2 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the R2 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC.	Yes	Use for electrical adjustment
P48 Q48	T R2 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P49 Q49	T R2 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P50 Q50	T R2 1B	-88 | -32 | -4	-88 | -32 | -4	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the R2 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC.	Yes	Use for electrical adjustment
P51 Q51	T R2 2B	-40 | 0 | 31	-40 | 0 | 31		Yes	Use for electrical adjustment
P52 Q52	T R2 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
P53 Q53	IC READ	0 1 2	OFF SINGLE CONT	The following data are read out from the EQ200 IC. However, there are limitations according to the mode. Data which can be read-out only at the time of PLAY, REC ENV L1 ENV L2 ENV R1 ENV R1 T L1 3A T L1 2A T L1 1A T L1 1B T L1 2B T L1 3B T L2 3A T L2 2A T L2 1A T L2 1B T L2 2B T L2 3B T R1 3A T R1 2A T R1 1A T R1 1B T R1 2B T R1 3B T R2 3A T R2 2A T R2 1A T R2 1B T R2 2B T R2 3B Data which can be read-out only at the time of EJECT, STANDBY-OFF VCO L VCO R 0: No read-out 1: Read-out each time the SET button is pressed. 2: Read-out is performed once every second. • The setting is held until exit from PB ADJUST.	No	Use for electrical adjustment
P60 Q60	VITERBI MODE	0 1 2 3	OFF PR4 EPR4 AUTO	Setting whether Viterbi decoding is to be used for detection of playback data or not • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P61 Q61	EQ STB	0 1	OFF ON	ON/OFF setting for the automatic standby detection function Automatic standby detection function: When the playback envelope is not detected for several seconds, the mode automatically shifts to standby mode (the mode where playback processing is stopped and the VCO center frequency is adjusted automatically). • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P62 Q62	AEQ MODE	0 1	OFF ON	Setting of the Adaptive EQ function of the adaptive equalization filter • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P63 Q63	AEQ HOLD	0 1	OFF ON	ON/OFF setting for the function for temporary holding of adaptive equalization control during the transitional period when the relative speed changes. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P64 Q64	FLT MODE	0 1	OFF ON	ON/OFF setting for the fault detection function Fault detection function: When the adaptive filter or the PLL drops into a divergent state at the time of mode switching like search etc., and a status is detected where no normal signal can be detected over a period of 5 tracks or more, this function pulls the status of the adaptive filter or the PLL to the initial status. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P65 Q65	PLL MONI	0 1	OFF ON	ON/OFF setting for PLL frequency monitor control Frequency monitor control: When a status is detected where the playback clock frequency at the time of mode switching during palyback is outside the permissible range set by MONI LIM PB1 for the specified time or longer, this function automatically pulls the frequency back to the reference frequency corresponding to the relative speed. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P66 Q66	MONI KINDSEL	1 2 3	ENV EYEE EYEO	Selection of monitor signal • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P67 Q67	MONI CHSEL	0 1 2 3 4	OFF PBL PBR RPL RPR	Selection of monitor channel (Head) • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P68 Q68	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P69 Q69	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P70 Q70	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P71 Q71	TRACKING MOD	0 1	ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P72 Q72	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking • Effective only at the time of TRACKING MOD = CTL. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P73 Q73	ATF HEAD	0 1	PB RP	Head selection for ATF tracking 0: PB head 1: RP head	No	

RP ADJUST (DVCPRO 50M ADJUST, DVCPRO 25M ADJUST, DV ADJUST subscreen)

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P01 Q01 R01	PHS L1	P01, Q01 -128 to -20 to 127 R01 -128 to 0 to 127		Adjustment of the L1 head playback phase	Yes	Use for electrical adjustment
P02 Q02 R02	PHS L2	P02, Q02 -128 to -20 to 127 R02 -128 to 0 to 127		Adjustment of the L2 head playback phase	Yes	Use for electrical adjustment
P03 Q03 R03	MAG L1	P03, Q03 -128 to 20 to 127 R03 -128 to 0 to 127		Adjustment of the L1 head playback amplitude	Yes	Use for electrical adjustment
P04 Q04 R04	MAG L2	P04, Q04 -128 to 20 to 127 R04 -128 to 0 to 127		Adjustment of the L2 head playback amplitude	Yes	Use for electrical adjustment
P05 Q05 R05	PHS R1	P05, Q05 -128 to -20 to 127 R05 -128 to 0 to 127		Adjustment of the R1 head playback phase	Yes	Use for electrical adjustment
P06 Q06 R06	PHS R2	P06, Q06 -128 to -20 to 127 R06 -128 to 0 to 127		Adjustment of the R2 head playback phase	Yes	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P07 Q07 R07	MAG R1	P07, Q07 -128 | 20 | 127 R07 -128 | 0 | 127	P07, Q07 -128 | 20 | 127 R07 -128 | 0 | 127	Adjustment of the R1 head playback amplitude	Yes	Use for electrical adjustment
P08 Q08 R08	MAG R2	P08, Q08 -128 | 20 | 127 R08 -128 | 0 | 127	P08, Q08 -128 | 20 | 127 R08 -128 | 0 | 127	Adjustment of the R2 head playback amplitude	Yes	Use for electrical adjustment
P09 Q09 R09	ENV L1	0 | 255	0 | 255	Playback signal envelope level read-out value averaged for each track of each head ENV L1: L1 head ENV L2: L2 head Averaging is performed at 8 points in the track, and the newest track value for which averaging has been completed at the time when read-out is started will be read out. • Read-out is possible only at the time of PLAY and REC.	Yes	**Factory use only**
P10 Q10 R10	ENV L2	0 | 255	0 | 255		Yes	**Factory use only**
P11 Q11 R11	ENV R1	0 | 255	0 | 255		Yes	**Factory use only**
P12 Q12 R12	ENV R2	0 | 255	0 | 255		Yes	**Factory use only**
P13 Q13 R13	AGC SPD	0 | 3	0 | 3	Setting of the AGC response speed	Yes	**Factory use only** **Do not change any setting**
P14 Q14 R14	AEQ SPD	0 1 2 3	0 1 2 3	The control response speed for the adaptive equalization filter is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	**Factory use only** **Do not change any setting**
P15 Q15 R15	HLD SEN	0 1 2 3	0 1 2 3	The detection sensitivity for detection of changes in the relative speed is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	**Factory use only** **Do not change any setting**
P16 Q16 R16	FLT SEN	0 1 2 3	0 1 2 3	The detection sensitivity for the fault detection function is set in four levels. A fault status is detected when a status where a normal signal can not be detected consecutively for 5 tracks over the following track values. 0: 1/2 1: 3/4 2: 7/8 3: 15/16	Yes	**Factory use only** **Do not change any setting**
P17 Q17 R17	PLLREV	0 1	SLOW FAST	The compensation speed in PLL frequency compensation mode is set in two levels	Yes	**Factory use only** **Do not change any setting**
P18 Q18 R18	PLL PHS	0 | 9 | 31	0 | 9 | 31	In the PLL response speed setting, mainly the phase pull-in speed is controlled. The response speed becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**
P19 Q19 R19	REV LEV	0 1 2 3	0 1 2 3	The strength of the frequency pull-in operation of the PLL phase comparison characteristic expansion function is controlled in four levels. The action is weakest with 0 and strongest with 3. When the data acquisition ratio at the time of special playback is bad, it can be improved by controlling this parameter.	Yes	**Factory use only** **Do not change any setting**

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P20 Q20 R20	PLL FRQ	P20, Q20 0 | 8 | 31	0 | 8 | 31	The setting of the PLL response speed controls mainly the frequency pull-in speed. The response becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**
		R20 0 | 1 | 31	0 | 1 | 31			
P21 Q21 R21	MONI LIM W	0 | 28 | 127	0 | 28 | 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is (set value)/10.24%.	Yes	**Factory use only** **Do not change any setting**
P22 Q22 R22	MONI LIM N	0 | 28 | 127	0 | 28 | 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is (set value)/10.24%.	Yes	**Factory use only** **Do not change any setting**
P23 Q23 R23	TH EYE	0 | 110 | 255	0 | 110 | 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	**Factory use only** **Do not change any setting**
P24 Q24 R24	TH ULK	0 | 98 | 255	0 | 98 | 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	**Factory use only** **Do not change any setting**
P25 Q25 R25	TH ENV	0 | 16 | 255	0 | 16 | 255	Setting of the threshold value for the envelope detection signal The envelope detection signal is used for adaptive equalization filter, PLL, and AGC hold control.	Yes	**Factory use only** **Do not change any setting**
P26 Q26 R26	PLL LIM	0 | 7	0 | 7	In the PLL response speed setting, mainly the phase pull-in speed is controlled.	Yes	**Factory use only** **Do not change any setting**
P27 Q27 R27	VCO L	0 | 512 | 1023	0 | 512 | 1023	Setting of the initial value of the output voltage adjusting the VCO center frequency Adjustment is performed automatically in standby mode, but the time required for automatic adjustment can be reduced by setting this value in advance to a suitable value. The automatically adjusted value is read out and set. • Read-out is possible only at the time of EJECT, STANDBY-OFF. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
P28 Q28 R28	VCO R	0 | 512 | 1023	0 | 512 | 1023		Yes	Use for electrical adjustment
P29 Q29 R29	T L1 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the L1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
P30 Q30 R30	T L1 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P31 Q31 R31	T L1 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P32 Q32 R32	T L1 1B	-88 | -32 | -4	-88 | -32 | -4	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the L1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
P33 Q33 R33	T L1 2B	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P34 Q34 R34	T L1 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
P35 Q35 R35	T L2 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the L2 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
P36 Q36 R36	T L2 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P37 Q37 R37	T L2 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P38 Q38 R38	T L2 1B	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P39 Q39 R39	T L2 2B	-40 | 0 | 31	-40 | 0 | 31		Yes	Use for electrical adjustment
P40 Q40 R40	T L2 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
P41 Q41 R41	T R1 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the R1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
P42 Q42 R42	T R1 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P43 Q43 R43	T R1 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P44 Q44 R44	T R1 1B	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P45 Q45 R45	T R1 2B	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P46 Q46 R46	T R1 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P47 Q47 R47	T R2 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the R2 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
P48 Q48 R48	T R2 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P49 Q49 R49	T R2 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P50 Q50 R50	T R2 1B	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P51 Q51 R51	T R2 2B	-40 | 0 | 31	-40 | 0 | 31		Yes	Use for electrical adjustment
P52 Q52 R52	T R2 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
P53 Q53 R53	IC READ	0 1 2	OFF SINGLE CONT	The following data are read out from the EQ200 IC. However, there are limitations according to the mode. Data which can be read-out only at the time of PLAY, REC ENV L1 ENV L2 ENV R1 ENV R1 T L1 3A T L1 2A T L1 1A T L1 1B T L1 2B T L1 3B T L2 3A T L2 2A T L2 1A T L2 1B T L2 2B T L2 3B T R1 3A T R1 2A T R1 1A T R1 1B T R1 2B T R1 3B T R2 3A T R2 2A T R2 1A T R2 1B T R2 2B T R2 3B Data which can be read-out only at the time of EJECT, STANDBY-OFF VCO L VCO R 0: No read-out 1: Read-out each time the SET button is pressed. 2: Read-out is performed once every second. • The setting is held until exit from RP ADJUST.	No	Use for electrical adjustment
P60 Q60 R60	VITERBI MODE	0 1 2 3	OFF PR4 EPR4 AUTO	Setting whether Viterbi decoding is to be used for detection of playback data or not • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	Use for electrical adjustment
P61 Q61 R61	EQ STB	0 1	OFF ON	ON/OFF setting for the automatic standby detection function Automatic standby detection function: When the playback envelope is not detected for several seconds, the mode automatically shifts to standby mode (the mode where playback processing is stopped and the VCO center frequency is adjusted automatically). • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	**Factory use only**
P62 Q62 R62	AEQ MODE	0 1	OFF ON	Setting of the Adaptive EQ function of the adaptive equalization filter • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P63 Q63 R63	AEQ HOLD	0 1	OFF ON	ON/OFF setting for the function for temporary holding of adaptive equalization control during the transitional period when the relative speed changes. • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	**Factory use only**

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P64 Q64 R64	FLT MODE	0 1	OFF ON	ON/OFF setting for the fault detection function Fault detection function: When the adaptive filter or the PLL drops into a divergent state at the time of mode switching like search etc., and a status is detected where no normal signal can be detected over a period of 5 tracks or more, this function pulls the status of the adaptive filter or the PLL to the initial status. • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	**Factory use only**
P65 Q65 R65	PLL MONI	0 1	OFF ON	ON/OFF setting for PLL frequency monitor control Frequency monitor control: When a status is detected where the playback clock frequency at the time of mode switching during palyback is outside the permissible range set by MONI LIM PB1 for the specified time or longer, this function automatically pulls the frequency back to the reference frequency corresponding to the relative speed. • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	**Factory use only**
P66 Q66 R66	MONI KINDSEL	1 2 3	ENV EYEE EYEO	Selection of monitor signal • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	Use for electrical adjustment
P67 Q67 R67	MONI CHSEL	0 1 2 3 4	OFF PBL PBR RPL RPR	Selection of monitor channel(Head) • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	Use for electrical adjustment
P68 Q68 R68	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER. • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	
P69 Q69 R69	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed. • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	
P70 Q70 R70	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	
P71 Q71 R71	TRACKING MOD	P71, Q70 0 1	 ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	
		R71 2 3	 AUTO L AUTO R	Tracking mode setting 2: L Head tracking 3: R Head tracking Only DV master tape can use for DV Adjustment. • The setting is held until exit from 50M ADJUST, 25M ADJUST,DV ADJUST.		Use for electrical adjustment
P72 Q72 R72	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking • Effective only at the time of TRACKING MOD = CTL. • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	
P73 Q73 R73	ATF HEAD	0 1	PB RP	Head selection for ATF tracking 0: PB head 1: RP head	No	

C00: V IN ADJUST

V IN ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
C-1	CMPNT ADJUST	Adjustment of the Component Input signal
C-2	CMPST ADJUST	Adjustment of the Composite Input signal

CMPNT ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
C01	NENT Y GAIN	-128 | 127	-128 | 127	Adjustment of the Component Y level.	Yes	
C02	NENT Y OFS	-128 | 127	-128 | 127	Adjustment of the Component Y offset level.	Yes	
C03	NENT PB GAIN	-128 | 127	-128 | 127	Adjustment of the Component PB level.	Yes	
C04	NENT PB OFS	-128 | 127	-128 | 127	Adjustment of the Component PB offset level.	Yes	
C05	NENT PB TMG	-50 | 49	-50 | 49	Adjustment of the Component PB timing	Yes	
C06	NENT PR GAIN	-128 | 127	-128 | 127	Adjustment of the Component PR level	Yes	
C07	NENT PR OFS	-128 | 127	-128 | 127	Adjustment of the Component PR offset level.	Yes	
C08	NENT PR TMG	-50 | 49	-50 | 49	Adjustment of the Component PR timing	Yes	

CMPST ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
C01	SITE Y GAIN	-128 | 127	-128 | 127	Adjustment of the Composite Y level	Yes	
C02	SITE Y OFS	-128 | 127	-128 | 127	Adjustment of the Composite Y offset level	Yes	
C03	SITE PB GAIN	-128 | 127	-128 | 127	Adjustment of the Composite PB level	Yes	
C04	SITE PB OFS	-128 | 127	-128 | 127	Adjustment of the Composite PB offset level	Yes	
C05	SITE PB TMG	-50 | 49	-50 | 49	Adjustment of the Composite PB timing	Yes	
C06	SITE PR GAIN	-128 | 127	-128 | 127	Adjustment of the Composite PR level	Yes	
C07	SITE PR OFS	-128 | 127	-128 | 127	Adjustment of the Composite PR offset level	Yes	
C08	SITE PR TMG	-50 | 49	-50 | 49	Adjustment of the Composite PR timing	Yes	
C09	SITE CAXIS	-128 | 127	-128 | 127	Adjustment of the Composite chroma phase	Yes	

D00: V OUT ADJUST

V OUT ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
D-1	CMPNT ADJUST	Adjustment of the Component Output signal
D-2	CMPST ADJUST	Adjustment of the Composite Output signal

CMPNT ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
D01	NENT Y LEV	-50 | 49	-50 | 49	Adjustment of the Component Y level	Yes	
D02	NENT Y FREQ	-50 | 49	-50 | 49	Adjustment of the Component Y Frequency characteristic	Yes	
D03	NENT SYNC DC	-128 | 127	-128 | 127	Adjustment of the Component Sync DC	Yes	
D04	NENT PB LEV	-50 | 49	-50 | 49	Adjustment of the Component PB level	Yes	
D05	NENT PB FREQ	-50 | 49	-50 | 49	Adjustment of the Component PB Frequency characteristic	Yes	
D06	NENT PB TMG	-50 | 49	-50 | 49	Adjustment of the Component PB timing	Yes	
D07	NENT PR LEV	-50 | 49	-50 | 49	Adjustment of the Component PR level	Yes	
D08	NENT PR FREQ	-50 | 49	-50 | 49	Adjustment of the Component PR Frequency characteristic	Yes	
D09	NENT PR TMG	-50 | 49	-50 | 49	Adjustment of the Component PR timing	Yes	

CMPST ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
D01	SITE Y LEV	-50 | 49	-50 | 49	Adjustment of the Composite Y level	Yes	
D02	SITE Y FREQ	-50 | 49	-50 | 49	Adjustment of the Composite Y Frequency characteristic	Yes	
D03	SITE Y SETUP	-128 | 127	-128 | 127	Adjustment of the Composite(NTSC) SETUP level	Yes	
D04	SITE C LEV	-50 | 49	-50 | 49	Adjustment of the Composite Chroma level	Yes	
D05	SITE C TMG	-50 | 49	-50 | 49	Adjustment of the Composite Chroma timing	Yes	
D06	SITE SYNC DC	-128 | 127	-128 | 127	Adjustment of the Composite Sync DC	Yes	
D07	SITE SCH	-64 | 63	-64 | 63	Adjustment of the Composite SCH	Yes	

F00: VIDEO ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
F03	VIDEO MUTE	0 1	NORMAL MUTE	This menu is only for Factory use. Select whether the VIDEO output is to be made gray or not 0:Normal output 1:Forced gray output	No	
F06	EE TEST MODE	0 1	NORMAL DCI RT	EE check for the entire signal processing system 0:Bus EE (EE1) 1:Full EE (EE2)	No	
F10	TELETEXT INI	0 1	MOJI NABTS	Factory default setting of Menu No802 : TELETEXT INI is selected. 0:MOJI (Shipping for T) 1:NABTS (Shipping for P, E) * Menu No802 is only valid for 525 mode.	Yes	
F11	V SETUP	0 1	OFF ON	Switching of effective/not effective for SETUP-MENU 622: SETUP 25, 623:SETUP50 0:SETUP-MENU 622: SETUP 25, 623: SETUP50 is not displayed and THRU is sent forcibly to AV. (Shipping setting for T) 1:SETUP-MENU 622: SETUP 25, 623: SETUP50 is displayed and the set value is sent to AV. (Shipping setting for P, E) Menu No 622, 623 is only valid for 525 mode.	Yes	
F12	SDTI FORMAT	0 1	NORMAL THRU	This menu is only for Factory use. 0:Some SDTI data is converted to follow the SDTI format. 1:The data from the tape is outputted as it is.	No	
F15	22L BLANK	0 1	OFF ON	Switching of effective/not effective for SETUP-MENU 805: 22 & 285 BLANK 0:SETUP-MENU 805: 22 & 285 BLANK is not displayed and OFF is sent forcibly to AV. (Shipping setting for P, E) 1:SETUP-MENU 805: 22 & 285 BLANK is displayed and the set value is sent to AV. (Shipping setting for T)	Yes	
F17	GAP COUNT	0 | 40 | 64	0 | 40 | 64	Setting of the GAP COUNT for DVCPRO I/F This menu is only for Factory use.	Yes	

G00: AUDIO ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
G01	REF_LEVEL1	0 1 2	FS-20 FS-18 FS-12	Selection of the audio I/O reference level 0: Full scale -20 dB (Shipping setting for T,P) 1: Full scale -18 dB (Shipping setting for E) 2: Full scale -12 dB • Change of the set value is possible only when G02: REF_LEVEL2 = 0 dB has been set. • The marker for REF LEVEL is not displayed on the Front Panel when FS-12 is selected with FINE mode (front meter).	Yes	
G02	REF_LEVEL2	0 1	0dB -3dB	Selection of the SETUP-MENU set value for switching of the audio I/O reference level. • Set value change is possible only when G01:REF LEVEL 1 = FS-18 has been set.	Yes	
G03	REF LV INI	0 1	0dB 4dB	Setting of the factory default value of the SETUP-MENU for audio I/O reference level switching. 701:CH1 IN LV 707:CH2 OUT LV 702:CH2 IN LV 708:CH3 OUT LV 703:CH3 IN LV 709:CH4 OUT LV 704:CH4 IN LV 710:CUE OUT LV 705:CUE IN LV 711:MONIL OUT LV 706:CH1 OUT LV 712:MONIR OUT LV 0: 0 dB (Shipping setting for P,E) 1: 4 dB (Shipping setting for T)	Yes	
G06	AES PHS CORR	0 1	NORMAL OFF	Select whether AES/EBU output is synchronized with Video output or not. 0: AES/EBU is synchronized with Video Output. 1: AES/EBU is not synchronized with Video Output.	Yes	

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
G08	AUD PB MODE	0 1	MODE1 MODE2	Setting of audio playback mode 0: NOMAL Mode 1: Setting is carried out when directly editing the jointed tape on which recording was performed with a camera recorder or playing back the edited tape.	Yes	
G09	LINE OUT CUE	0 1	OFF ON	Setting whether CUE signal is forcibly outputted from LINE OUTPUT terminal. OFF: This function doesn't work. ON: CUE Signal is outputted.	No	

H00: OTHER ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
H01	STILL LIMIT	0 1	2 min 6 min	Set the maximum value of the "SETUP-MENU 400 : STILL TIMER". Decide whether the still timer should be reset when the STANDBY-ON command is received during the STOP mode. 0:2 min/The still timer should not be reset 1:6 min/The still timer should be reset	Yes	
H02	LTC OUT SEL	0 1	N-STOP STOP	Selection of TC output according to the mode or not 0: Output always, independent of the mode 1: ON/OFF switching of the TC output according to the VTR mode. However, the TC output always is ON at the time of SETUP MENU 317: AUD MEM MODE = AMU_X, AMU_VO.	Yes	
H03	SYSTEM TYPE	0 1	TYPE 1 TYPE 2	Selection whether 2.3x speed is added to SHTL mode or not 0: No 2.3 speed 1: 2.3 speed exists	Yes	
H07	DET DISCONT	0 1	OFF ON	The action is selected when CTL discontinued point exist during insert edit mode. 0: VTR keeps to edit 1: VTR ends editing and shift to STOP mode In this case, E-00 (SERVO NOT LOCKED) is displayed on the front panel.	Yes	
H08	PLD WR SEL	0 1 2 3 4 5 6 7 8 9	OFF AUDIO V_IN APROC SDI D-I/F REC_PB V_OUT SYSCON SERVO	The item to be copied for PLD is selected.	No	

H02: TC output in case of LTC OUT SEL = STOP setting

TC INT/EXT	Mode	VV / EE	TC output
INT	EJECT STOP STANDBY OFF JOG/VAR/SHTL STILL	—	OFF
	Others	—	ON
EXT	EJECT STOP STANDBY OFF JOG/VAR/SHTL STILL	VV (including BLACK, GLAY of EJECT)	OFF
		EE	ON
	Others	—	ON

14. ERROR MESSAGES

Warning messages

Priority	● Monitor display ● Description ● VTR operation and corrective action
High ↑	**E-04 (UNKNOWN SIG)** This appears when the SDTI input signals are not DVCPRO or DV format signals. (The data stream format complies with the SMPTE 321M standard.) **VTR:** No recording operations can be performed. ● Check whether the SDTI input has been connected properly. (This warning is displayed when SDI signals are being input.)
	E-11 (NOT 1×25M SIG) This appears when the SDTI input signals are not DVCPRO (25 Mbps) format 1× transfer signals. **VTR:** No recording operations can be performed. ● Check the SDTI input signals.
	E-12 (NOT 1×50M SIG) This appears when the SDTI input signals are not DVCPRO50 (50 Mbps) format 1× transfer signals. **VTR:** No recording operations can be performed. ● Check the SDTI input signals.
	E-16 (INVALID VIDEO SIG) This appears when the compressed video signals in the SDTI input signals are invalid. ● This warning appears only during recording operations. In cases like this, no signals are recorded on the tape and only the erasure of the existing signals will be performed. **VTR:** Operation continues. No editing operations can be performed. ● Check the SDTI input signals. Playback signals of tape on which material has not been recorded may be being input.
	E-17 (INVALID AUDIO SIG) This appears when the audio signals in the SDTI input signals are invalid. ● This warning appears only during recording operations. In cases like this, the signals are recorded with the audio signals muted. **VTR:** Operation continues. No editing operations can be performed. ● Check the SDTI input signals. Signals from other than a VTR with 1× playback may be being input.
	E-18 (INVALID TC SIG) This appears when the time codes in the SDTI input signals are invalid. ● This warning appears only during recording operations. In cases like this, the internally generated time codes are recorded. **VTR:** Operation continues. No editing operations can be performed. ● Check the time code being input from the components.
	E-10 (FAN STOP) This is displayed when the fan motor stops. **VTR:** Operation continues. ● Check that nothing is obstructing the fan movement.

Priority	● Monitor display ● Description ● VTR operation and corrective action
↓ Low	**E-09 (NO RF)** This appears during playback when a blank section (tape blank) lasting for one or more seconds has been detected. Such a section is identified as a tape blank when all of the following conditions are met. ● No head outputs ● No playback data readout ● No CTL (Excluding DV and DVCAM tapes) **VTR:** Operation continues. ● Check the tape. A tape on which material has not been recorded may have been inserted.
	E-00 (SERVO NOT LOCKED) This appears when the servo is not locked for three or more seconds during playback, recording, or editing. **VTR:** Operation continues. ● Check the tape. A tape recorded other than PAL format may have been inserted.
	E-01 (LOW RF) This appears when envelope levels approximately 1/3 that of normal levels are detected for more than one second during playback, recording, or editing. **VTR:** Operation continues. ● Clean the video heads.
	E-02 (HIGH ERROR RATE) This appears when the error rate has increased to the extent that correction or interpolation was performed on either the video or audio signals. **VTR:** Operation continues. ● Clean the video heads.

Error messages

Display	● Description ● VTR operation and corrective action
E-20 **DEW**	If condensation is detected, the error number flashes and the unit transfers to eject mode. The drum rotates after the cassette is ejected to eliminate the condensation. Once the unit is released from condensation status, the error message display is cleared and the VTR is able to be used. ● If condensation is detected in the eject mode, the drum starts rotating as soon as it is detected. ● If condensation is detected when the cassette has been inserted, the drum rotation is stopped, and after the tape is ejected, the drum starts rotating. **VTR:** EJECT ● Leave the power on and wait.
E-29 **FRONT LOAD MOTOR**	The unit switches to eject mode and if the cassette fails to move up within 6 seconds, this error number flashes on the display. ● If the cassette does not move down inside the machine even when 6 seconds have elapsed since the cassette was inserted, the VTR is transferred to the eject mode. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-31 **LOADING MOTOR**	If the unloading operation is not completed within 6 seconds, this error number flashes on the display. ● When the loading operation is not completed within 6 seconds, the VTR is transferred to the eject (unloading) mode. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-35 **SERVO CONTROL ERROR**	If there is no response from the servo microcomputer for 1 second or more, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-37 **SERVO COMM ERROR**	If 10 seconds or more elapses and the servo microcomputer has not followed orders issued by the system control microcomputer, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-38 **SERVO FG ERROR**	If automatic adjustment of the reel and capstan rotation in eject status was not performed correctly when the power was turned on, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.

Display	● Description ● VTR operation and corrective action
E-51 **FRONT LOAD ERROR**	If the take-up reel rotates without engaging for a specific period of time during the start or end processing operation while loading is underway (half position), this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-52 **W-UP REEL NOT ROTA**	If the take-up reel fails to take up the tape while the tape is travelling in the state where the total amount of the tape has not yet been detected after the cassette was inserted, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-53 **WINDUP ERROR**	If there is an abnormally large discrepancy between the amount of tape taken up by the take-up reel and the amount of tape supplied by the supply reel while the tape is travelling after the total amount of the tape begins to be detected, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-55 **UNLOAD ERROR**	If the tape has not been taken up during unloading, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-57 **S-FF/REW TIMEOVER**	If the start or end processing operation is not completed, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-59 **DRUM ROTA TOO SLOW**	If the cylinder motor speed is abnormally low, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-60 **DRUM ROTA TOO FAST**	If the cylinder motor speed is abnormally high, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-61 **CAP ROTA TOO SLOW**	If the capstan motor speed is abnormally low, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.

Error messages

Display	● Description ● VTR operation and corrective action
E-64 **S REEL ROTA TOO FAST**	If the supply reel motor speed is abnormally high, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-67 **T REEL ROTA TOO FAST**	If the take-up reel motor speed is abnormally high, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-69 **T REEL TORQUE ERR**	If excess torque being applied to the take-up reel motor is detected, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-70 **S REEL TORQUE ERR**	If excess torque being applied to the supply reel motor is detected or an abnormal current flowing to the current detection resistor is detected, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-71 **CAP TENSION ERROR**	If abnormal tension at the supply side is detected in the capstan mode, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-72 **REEL TENSION ERROR**	If abnormal tension at the supply side is detected in the reel mode, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-73 **REEL DIR UNMATCH**	If the take-up reel motor has rotated in the reverse direction, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-74 **DRUM TORQUE ERROR**	If excess torque being applied to the cylinder motor is detected, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-78 **M-IF COMM ERROR**	If a problem has been encountered in communication between the servo microcomputer and mechanism relay board, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.

15. APPENDIX

Flash ROM software version up can be done via RS232C terminal.

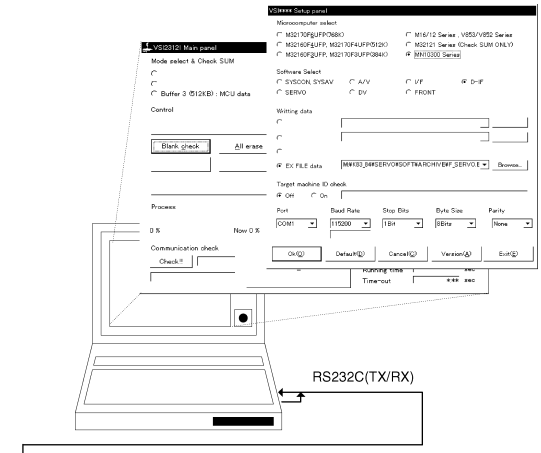
SYS CTRL IC (IC600) decide which IC (SYSAV, DV, IF, SERVO) should be copied based on the command from Personal computer (version up software).

This command is decided in "Software Select window" of VSI2312L Setup panel and sent to SYS CTRL IC (IC600) via I/F ROM.

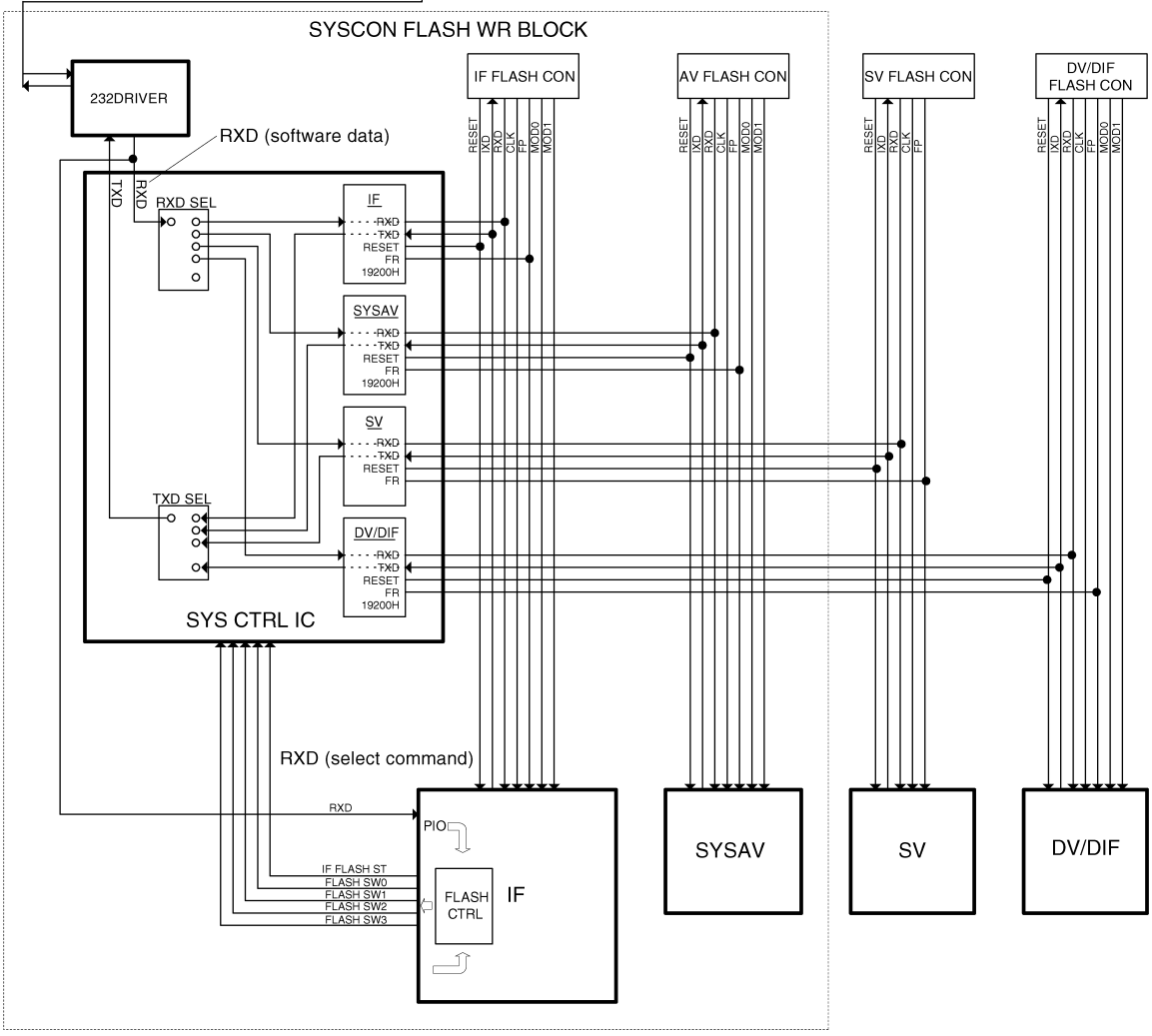
Hence if I/F ROM doesn't work well, (For example: AV software is copied to I/F ROM by mistake) the command can not be sent to SYS CTRL IC so that Flash ROM software version up via RS232C terminal can not be made. (I/F software is also impossible to copy via RS232C terminal)

In this case(If another software is copied to I/F ROM by mistake), Flash ROM software should be copied from Personal computer to I/F ROM via the connector on the P.C.B using the flash memory version up tool (VFK1304A).

Following are the explanation to copy the flash ROM using VFK1304A.



VSI2312L Setup panel



15-1. FLASH ROM VERSION UP PROCEDURE for I/F ROM using Flash memory version up tool (VFK1304A)

<Preparation>

Connection of the flash memory version up tool

Turn off the power of the VTR and the personal computer and then connect them as shown in the following figure. Pay attention not to confuse the connection direction (top, bottom) for the flat cable of the flash memory version up tool (VFK1304A).

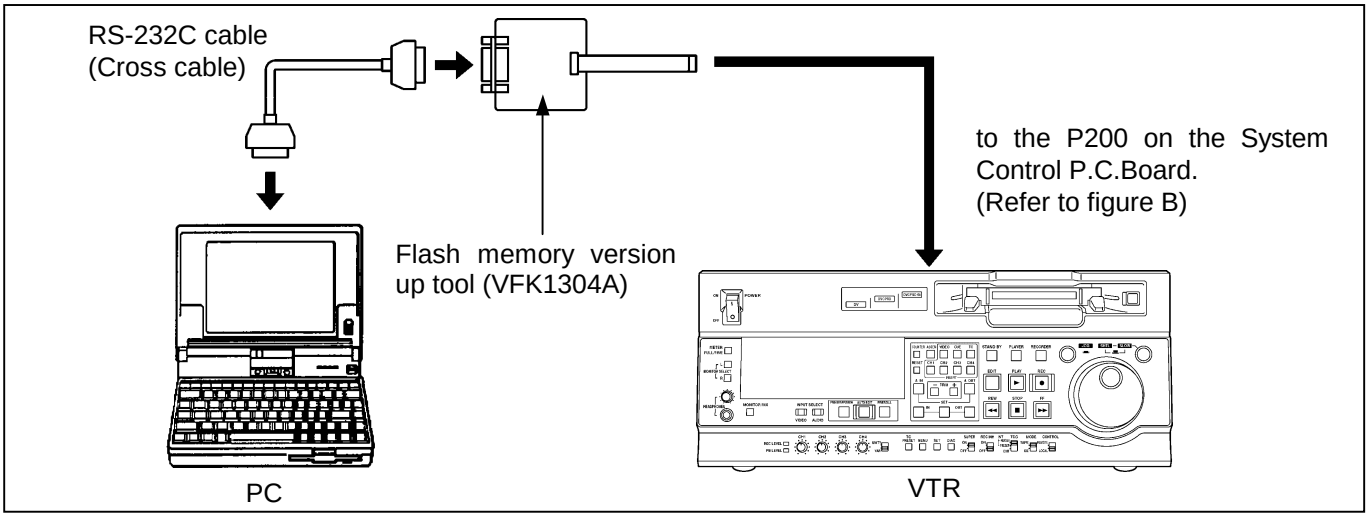


Figure A

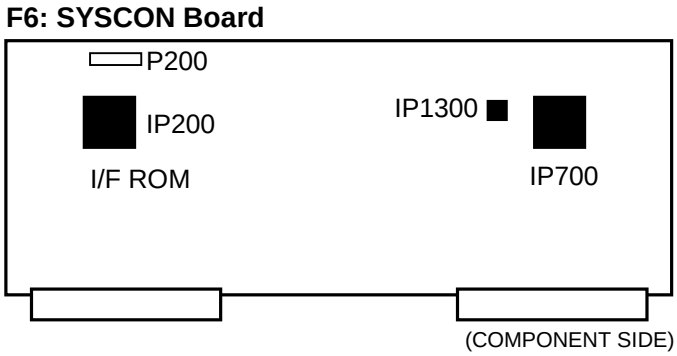


Figure B

1. Prepare a personal computer (Windows95 or 98)
2. Install the version up software VFK**** into the personal computer.
   VFK**** consist of following 5 types of software.

   f_servo.obf
   FW103u.exe
   VSI2312L.exe
   Setting ini

< I/F software (Flash ROM) Version UP >

1. Copy the program software (I/F:VSIXXX.mot) into the personal computer.
2. Turn on the VTR power.
3. Excute the VSI2312L. exe so that the following screen appears.

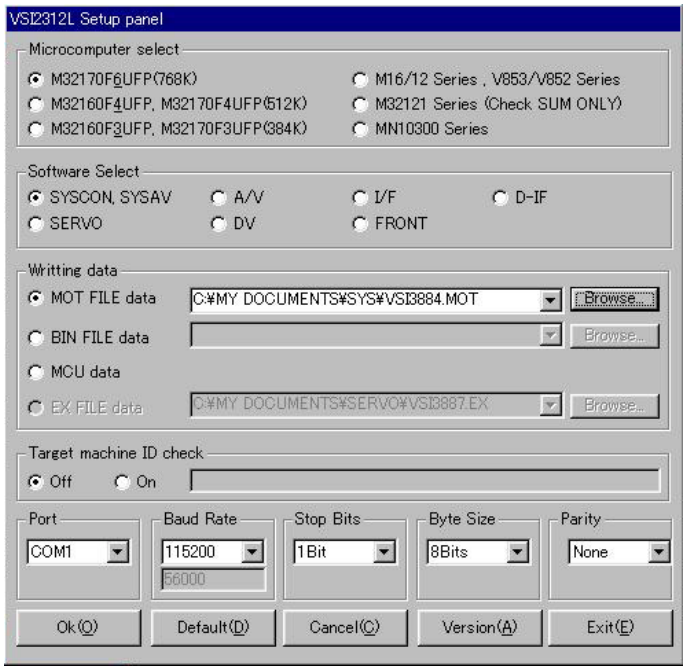


Figure 1

4. Select the each item as below;

Microcomputer select	M32170F6UFP (768K)
Software select	I/F
Writing data	MOT FILE data→ Select the program software (VSIXXX.mot) which was copied at item 1).
Target machine ID check	Off (default)
Port	COM1
Baud Rate	115200
STOP Bits	1 Bit (default)
Byte Size	8 Bits (default)
Parity	None (default)

5. Press **"OK"** button so that the following screen appears and Check sum is calculated. (refer to figure 2)

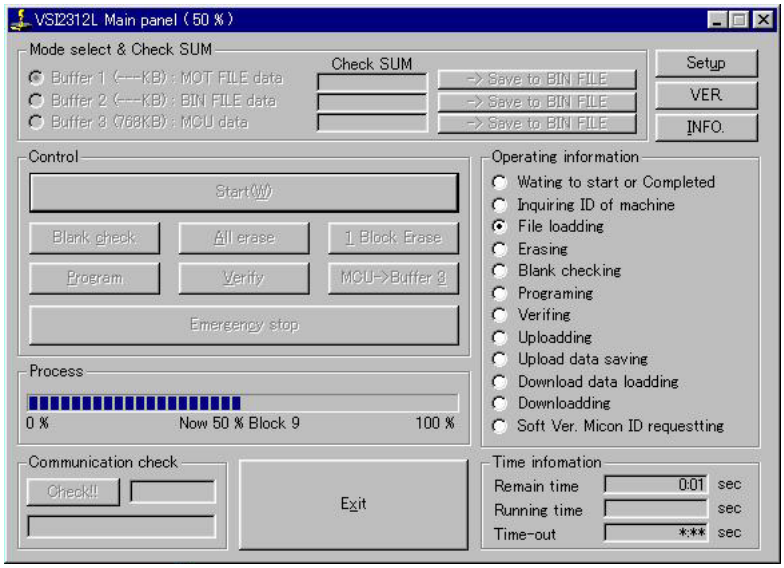


Figure 2

6. Check sum is displayed upper side on the screen after the process of item 5).
7. Press **"Start"** button so that the following screen appears. (refer to figure 3)

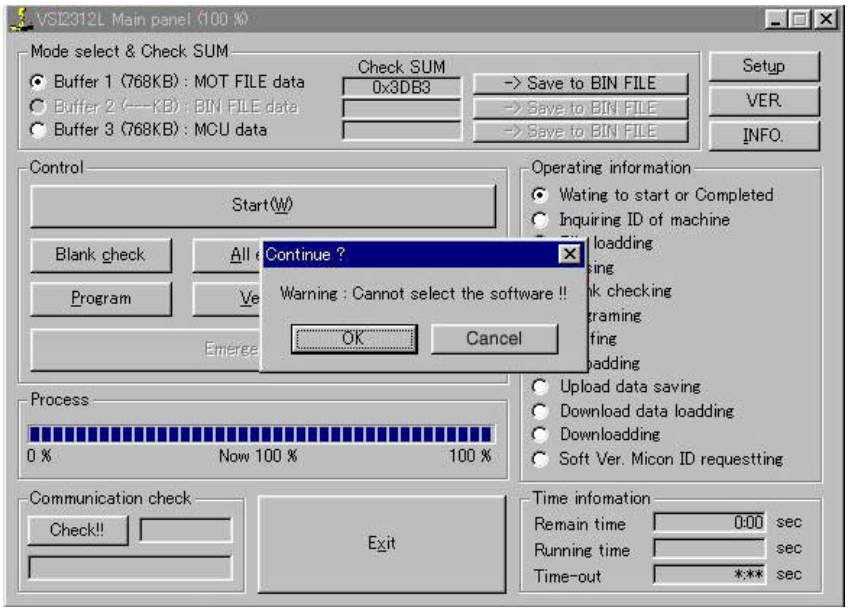


Figure 3

8. Press **"OK"** to proceed software version up.
9. Confirm the bar in the Process window reaches to 100% that means the software programming complete. (refer to figure 4)

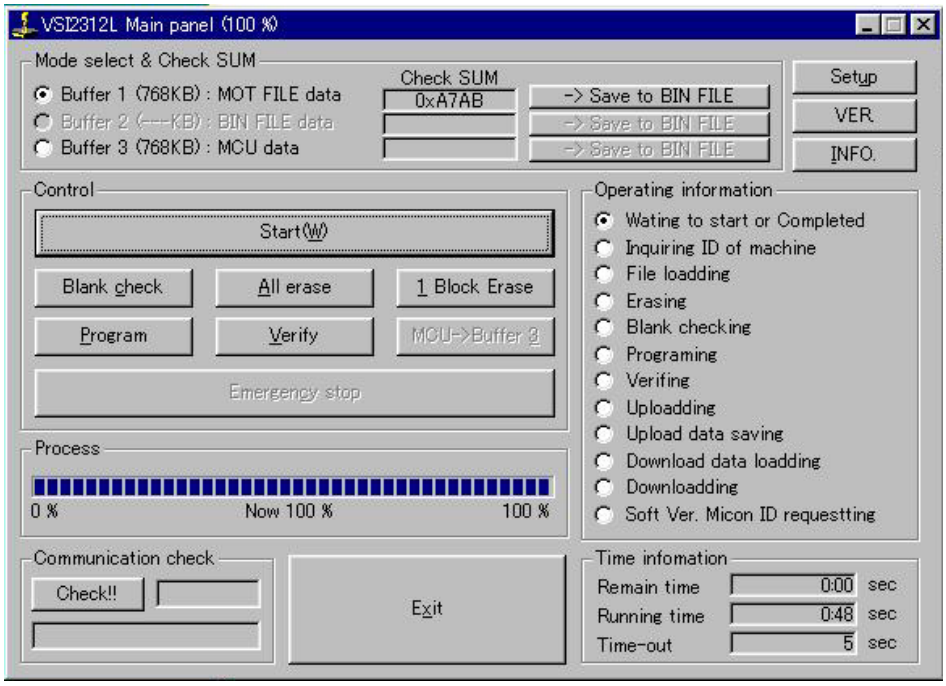
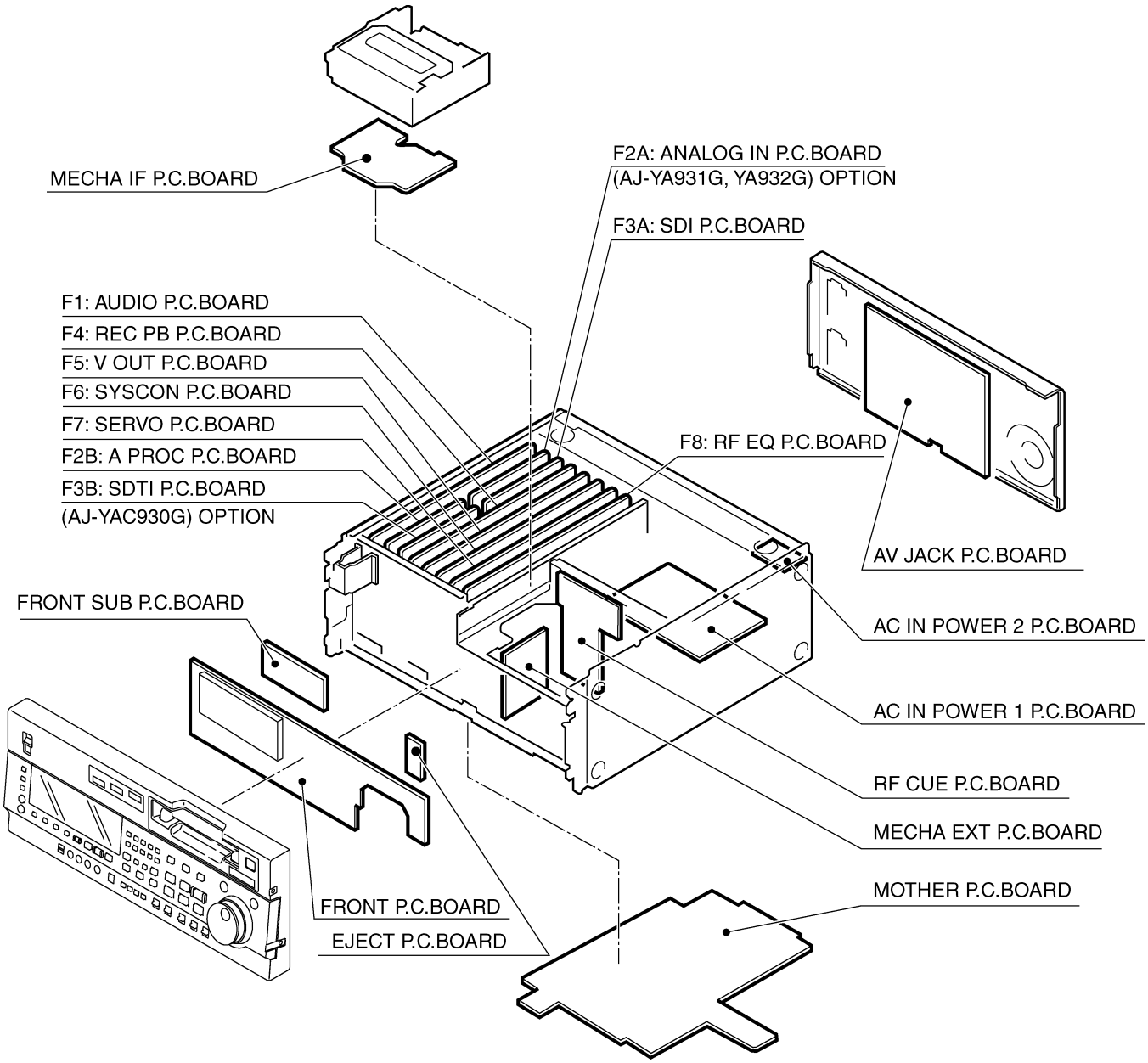


Figure 4

10. Press **"Exit"** button to end the program.
11. Turn off and on the power of VTR in order to reboot the machine.
12. Confirm that software version is updated.

* If the error occurs during above process, repeat the process from item 7).

16. CIRCUIT BOARD LAYOUT DRAWING



SECTION 2

DISASSEMBLY PROCEDURES

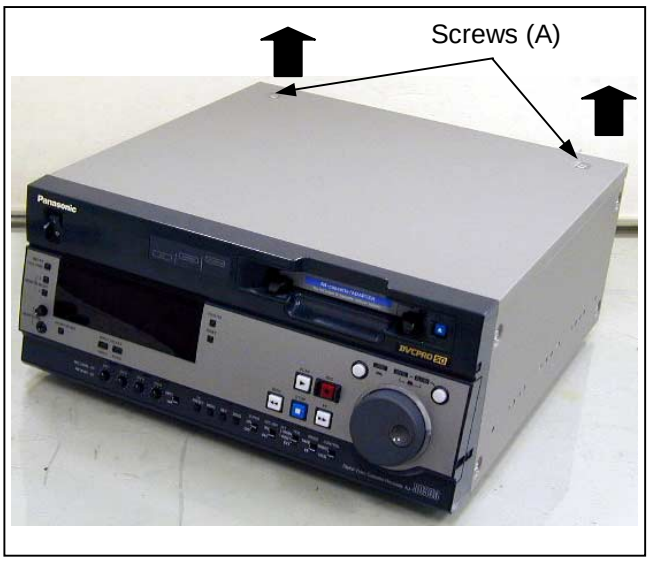
CONTENTS

1. DISASSEMBLY PROCEDURES.....DIS-1
   - 1-1. Removal of Top Panel.....DIS-1
   - 1-2. Removal of Bottom Panel.....DIS-1
   - 1-3. Removal of Front Panel Unit.....DIS-1
   - 1-4. Removal of Front Loading Unit.....DIS-1
   - 1-5. Removal of Mechanism Unit.....DIS-2
   - 1-6. Removal of Cylinder Unit.....DIS-3
   - 1-7. Removal of Power Supply Unit.....DIS-3
   - 1-8. Removal of Fan Motor.....DIS-4

1. DISASSEMBLE PROCEDURES

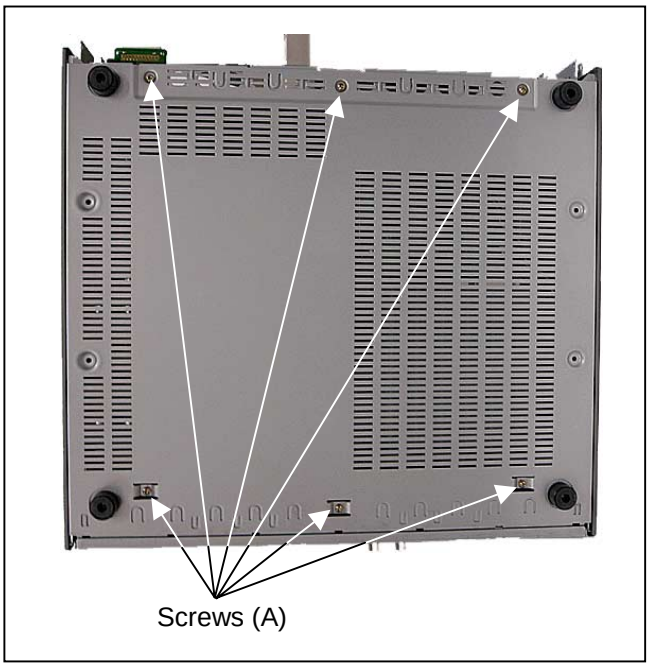
1-1. Removal of Top Panel

1. Loosen s screws (A) and remove the Top Panel.



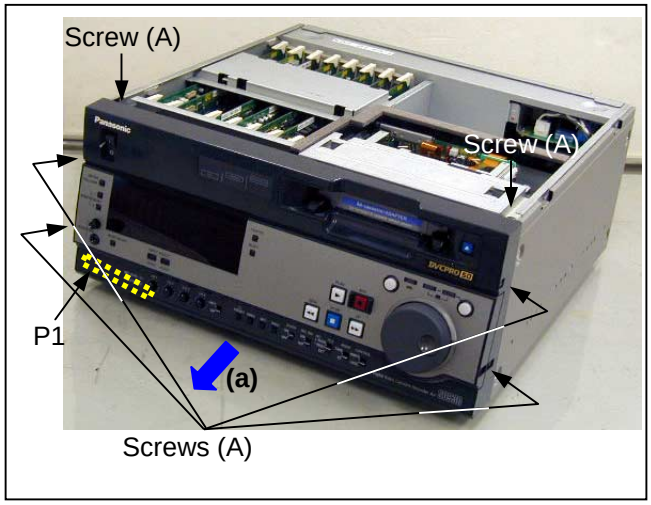
1-2. Removal of Bottom Panel

1. Unscrew the 6 screws (A) and remove the Bottom Panel.



1-3. Removal of Front Panel

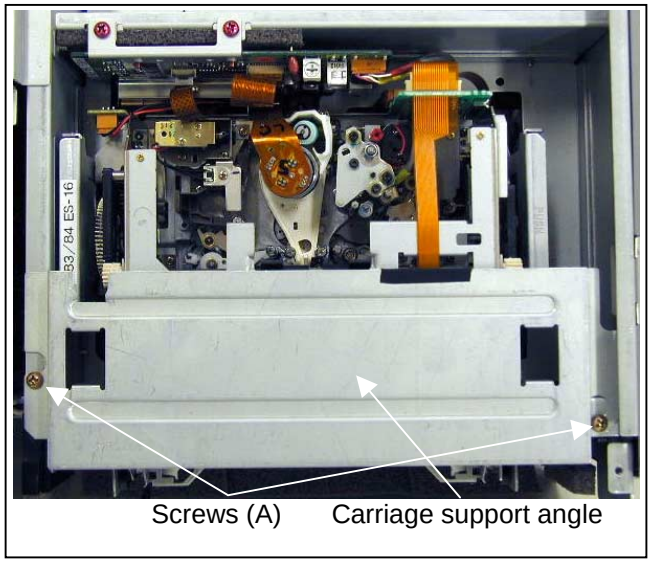
1. Unscrew the 6 screws (A) and remove the Front Panel.



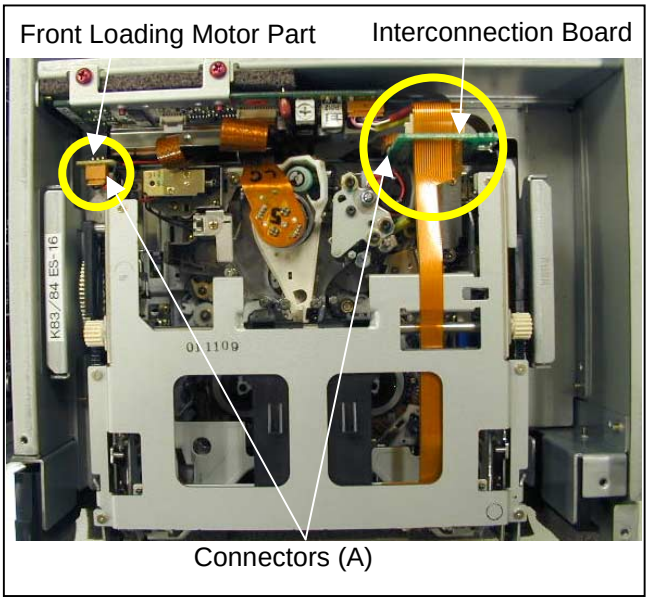
Notes:
1. When removing the Front Panel, slightly pull the Front panel for direction in arrow **(a)** (disconnect a connector P1).
2. After installation of Front Panel, confirm that the Blinder Panel is moved up and down smoothly by hand.
3. Check the connector has been connected securely.

1-4. Removal of Front Loading Unit

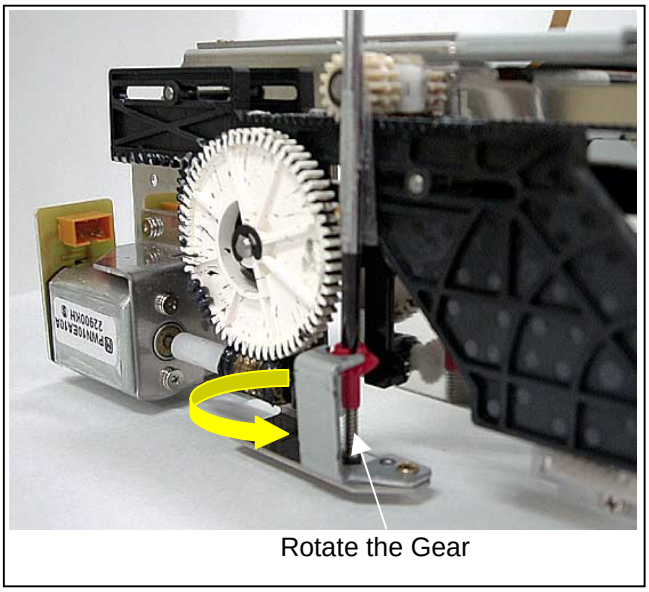
1. Loosen 2 screws (A) and remove the Carriage support angle.



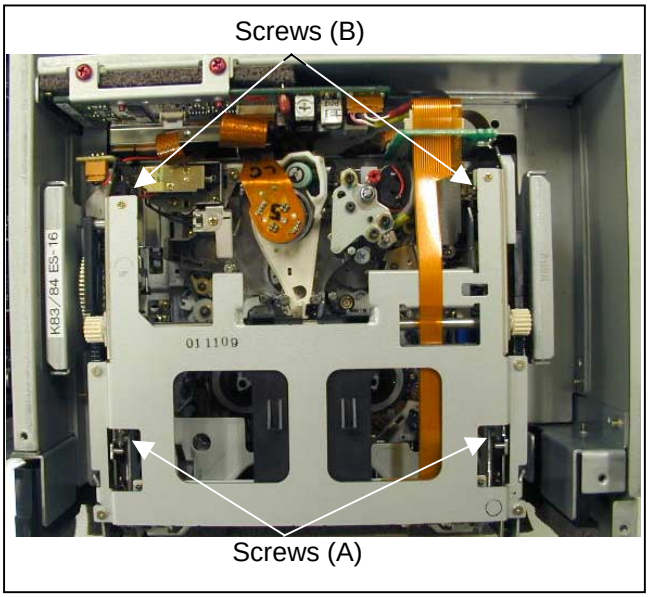
2. Disconnect 2 connectors (A) at Front Loading motor Board and the Interconnection Board.



3. Push and rotate the red plastic gear in front of the Front loading motor counterclockwise until the screw (A) which is used to fix the Front Loading Unit can be seen.



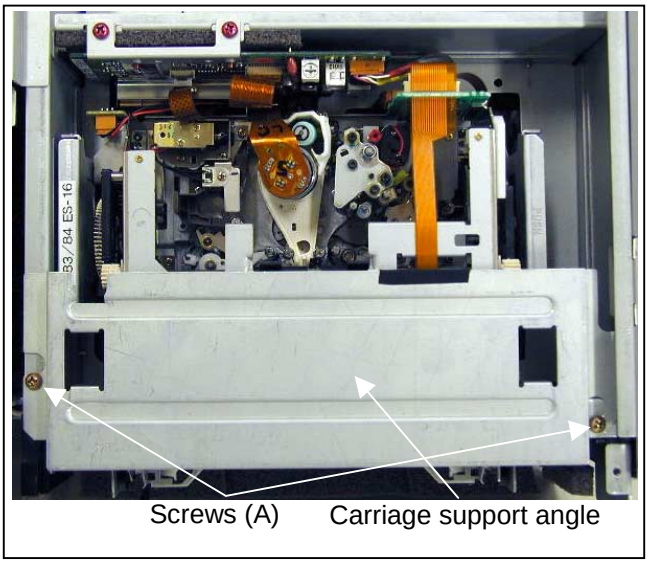
4. Unscrew the 4 screws (A) and (B), then remove the Front Loading Unit.



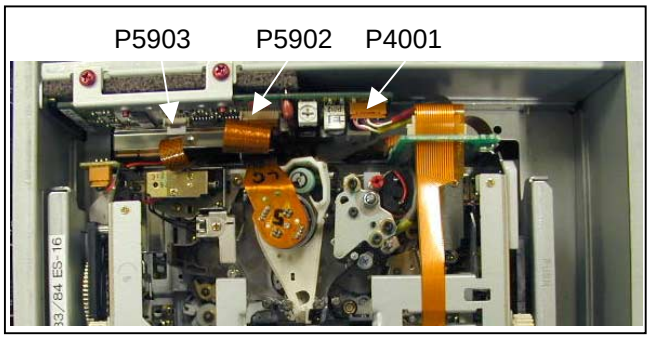
1-5. Removal of Mechanism Unit

Please refer to Major Mechanical Parts Replacement & Adjustment Procedures (SECTION 3) regarding each parts replacement procedure.

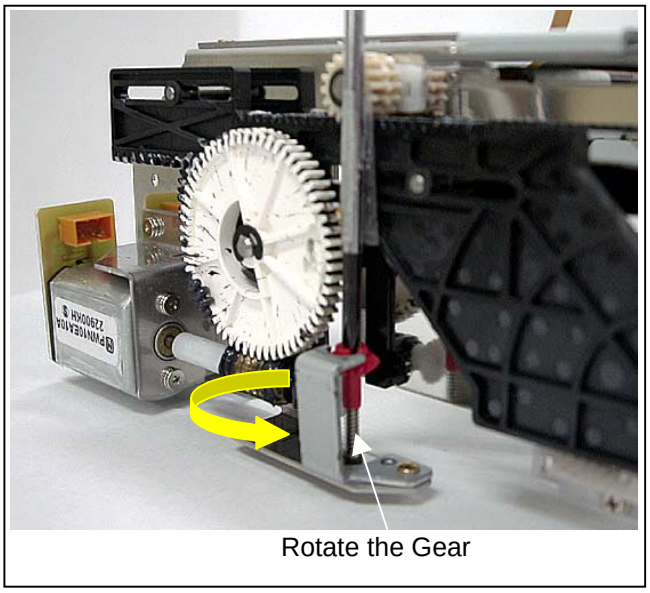
1. Loosen 2 screws (A) and remove the Carriage support angle.



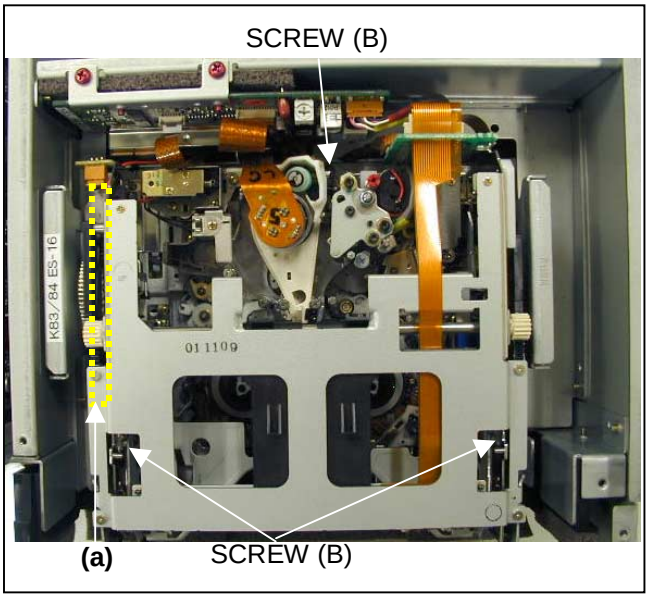
2. Disconnect 3 connectors (P4001, P5902, P5903).



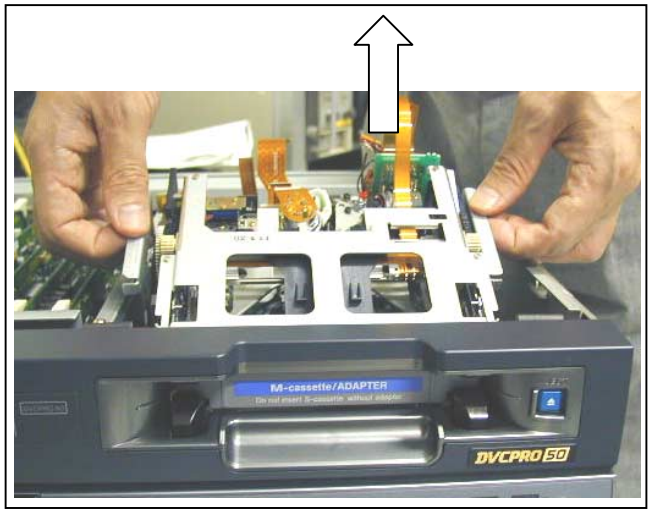
3. Push and rotate the red plastic gear in front of the Front loading motor counterclockwise until the screw (B) which is used to fix the Mechanism Unit can be seen.



4. Unscrew the 3 screws (B).
5. Disconnect the connector (a) which combines Mecha Unit with MECH IF2.



6. Remove the Mecha Unit lifting the backside of it.

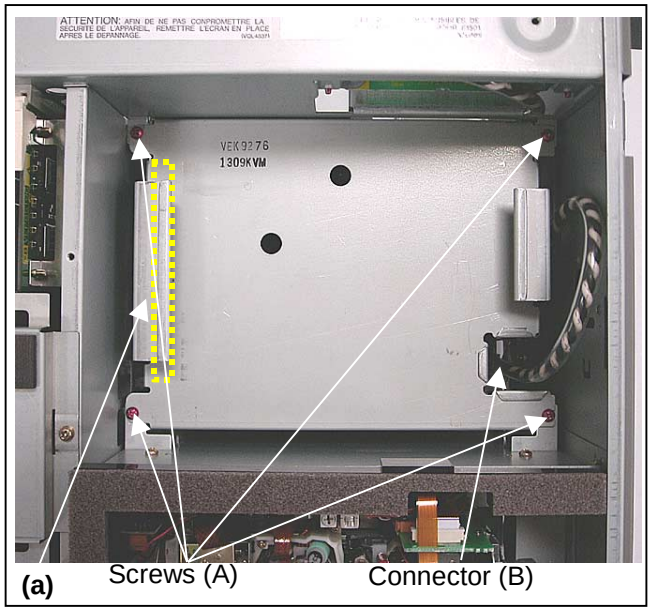


1-6. Removal of Cylinder Unit

(refer to page MECH-40).

1-7. Removal of Power Supply Unit

1. Unscrew the 4 screws (A) and lift-up the Power Supply Unit.
2. Disconnect a connector (B) and remove the Power Supply Unit.



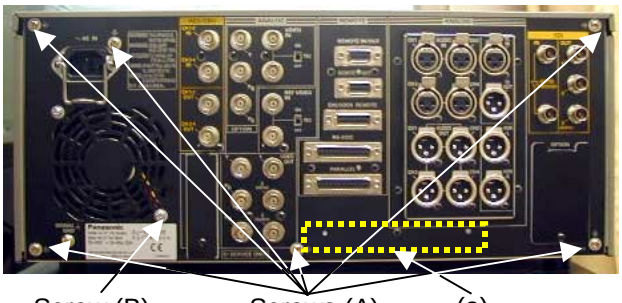
Notes:

When remove the Power Supply Unit, the connector **(a)** which combines the Mother Board with Power Supply Unit is disconnected.

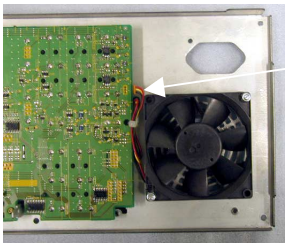
Check the connector has been connected securely when the Power Supply Unit is installed.

1-8. Removal of Fan Motor

1. Unscrew the 6 screws (A) and remove the Rear Jack Panel.



2. Disconnect a connector P105 (C)
3. Unscrew the screw (B) and remove the Fan Motor.



Notes:

When remove the Rear Jack Panel, the connector **(a)** which combines the Mother Board with Rear Jack Panel is disconnected.
Check the connector has been connected securely when Rear Jack Panel is installed.

SECTION 3

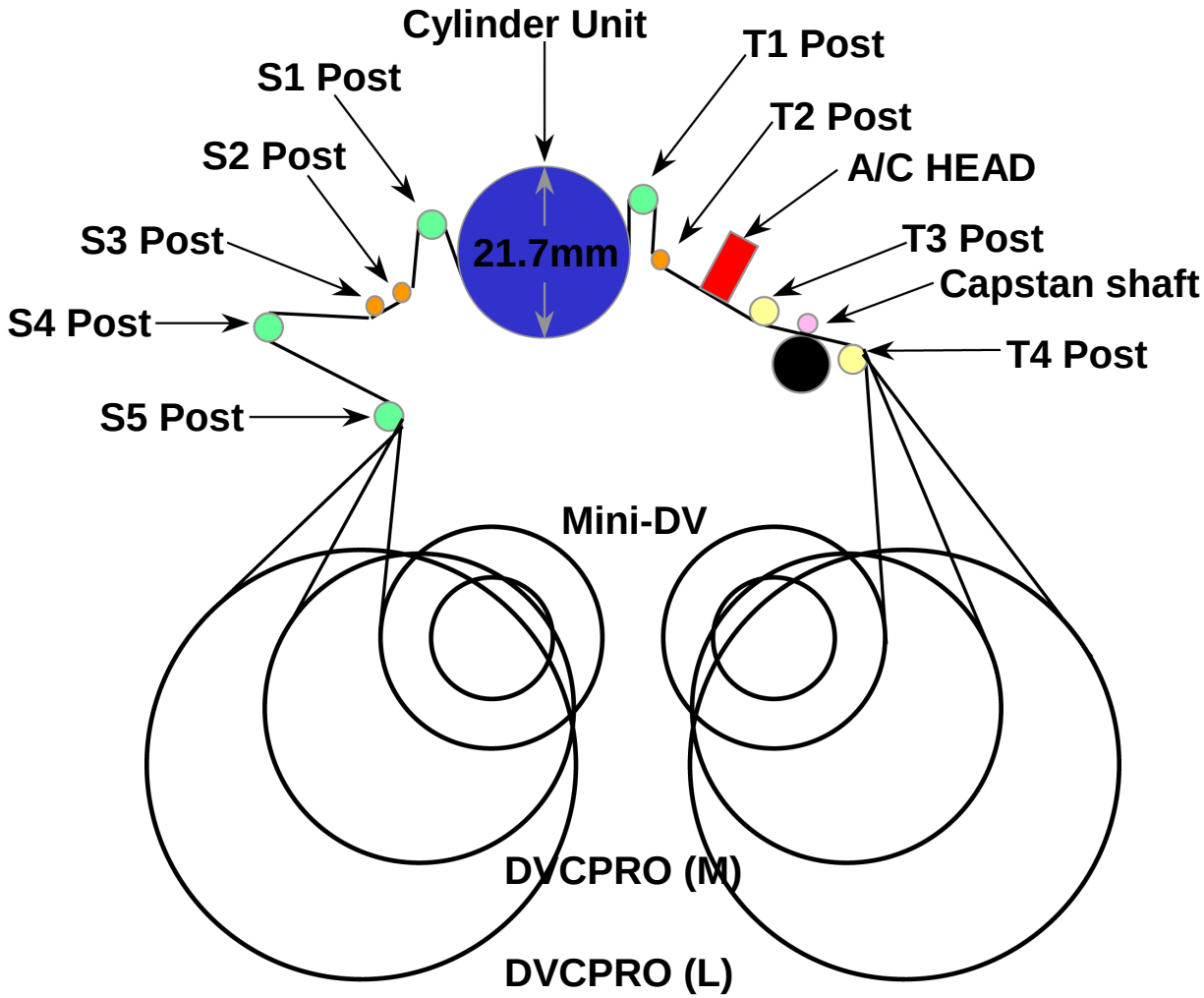
MECHANICAL ADJUSTMENT

CONTENTS

1. NAME OF TAPE TRANSPORTATION MECH-1
2. TABLE OF TEST POINT MECH-2
   2-1. Table of Test Point, VR, Setting for Service Menu MECH-2
3. MECHANICAL ADJUSTMENT PROCEDURES MECH-3
   3-1. Post Height Pre-adjustment MECH-3
   3-2. Tension Arm Adjustment Flowchart MECH-3
   3-3. Tension Sensor Voltage Adjustment (1) MECH-4
   3-4. Tension Sensor Voltage Adjustment (2) MECH-4
   3-5. Tension Arm PLAY and REV Voltage Confirmation MECH-5
   3-6. Tension Regulator Spring Adjustment MECH-5
   3-7. REV Tension Confirmation MECH-6
   3-8. Tension Confirmation MECH-7
   3-9. Photo Sensor Voltage Adjustment MECH-8
   3-10. Tape Path Adjustment Procedure MECH-9
   3-11. Envelope Waveform Adjustment MECH-10
   3-12. Post Limit Confirmation (PLAY) MECH-10
   3-13. A/C Head Adjustment Method (General) MECH-11
   3-14. A/C Head Tilt Adjustment MECH-13
   3-15. A/C Head Height Adjustment MECH-13
   3-16. A/C Head Tilt Confirmation MECH-14
   3-17. A/C Head Height Confirmation MECH-14
   3-18. A/C Head Azimuth and X-value Adjustment MECH-15
   3-19. Compensation Adjustment Of X Value MECH-16
   3-20. REV Tape Path Confirmation and Adjustment (T4 Post Height Adjustment) MECH-16
   3-21. CTL Self Recording Level Confirmation MECH-17
   3-22. Play Tape Path Limit Confirmation MECH-17
   3-23. Confirmation of Envelope on REV, REW and FF mode MECH-18
   3-24. Confirmation of Play Start Envelope MECH-18
   3-25. REV mode Tape Path Limit Confirmation MECH-19
   3-26. FF, REW mode Tape Path Limit Confirmation MECH-19
   3-27. Screw Lock Tight of A/C Head and T3, T4 Post MECH-19
   3-28. Confirmation of Tape Damage for Long Tape Playback MECH-20
   3-29. LISTA Adjustment Procedure MECH-21
   3-30. LISTA Connection and Boot Up MECH-22
   3-31. How to Enter the Attachment Data of Alignment Tape MECH-24
   3-32. RP Head Sensitivity Adjustment and Sensitivity Detection (25M Mode) MECH-25
   3-33. LISTA Linearity Adjustment and Waving Measurement (25M mode) MECH-27
   3-34. PB Head LISTA Sensitivity Adjustment and Sensitivity Detection (25M Mode) MECH-29
   3-35. RP Head Sensitivity Adjustment and Sensitivity Detection (50M Mode) MECH-31
   3-36. LISTA Linearity Adjustment and Waving Measurement (50M mode) MECH-33
   3-37. PB Head LISTA Sensitivity Adjustment and Sensitivity Detection (50M Mode) MECH-35
   3-38. RP HEAD (for DV) Lista Sensitivity Adjustment MECH-37
   3-39. Self-REC/PLAY Envelope Waveform Confirmation MECH-39
4. NO TAPE LOADING METHOD MECH-39

5. MAJOR MECHANICAL PARTS REPLACEMENT & ADJUSTMENT PROCEDURES.....MECH-40
5-1. Cylinder Unit Replacement.....MECH-40
5-2. Cleaning Arm Unit Replacement.....MECH-41
5-3. T1 Guide Position Adjustment.....MECH-41
5-4. Adjustment Flow Chart After Cylinder Unit Replacement.....MECH-42
5-5. Supply & Take-up Reel Rotor Unit Replacement.....MECH-43
5-6. Main Brake Torque Confirmation.....MECH-44
5-7. Supply & Take-up Brake Arm Unit Replacement.....MECH-44
5-8. Supply Brake Solenoid Replacement and Adjustment.....MECH-44
5-9. Take-up Brake Solenoid Replacement and Adjustment.....MECH-45
5-10. Pinch Solenoid Replacement.....MECH-46
5-11. Pinch Solenoid Position Adjustment.....MECH-46
5-12. Pinch Arm Unit Replacement.....MECH-47
5-13. Loading Motor Replacement.....MECH-47
5-14. Mode SW Unit Replacement.....MECH-48
5-15. Main Cam Gear Replacement.....MECH-48
5-16. Thrust Screw Replacement and Adjustment.....MECH-49
5-17. S5 Post Base Unit Replacement.....MECH-49
5-18. Tension Arm Unit Replacement.....MECH-50
5-19. S1 Post Loading Arm Unit Replacement & Adjustment.....MECH-51
5-20. T1 Boat Unit Replacement and Adjustment.....MECH-52
5-21. A/C head Replacement & Adjustment.....MECH-54
5-22. Cleaner Solenoid Replacement & Adjustment.....MECH-55
5-23. Distinction SW Unit Replacement.....MECH-57
5-24. Reel Drive Motor Unit Replacement.....MECH-57
5-25. L-M Release Angle Unit Replacement.....MECH-58
5-26. Slide Rod Unit Replacement & Adjustment.....MECH-58
5-27. M-Stopper Solenoid Replacement & Adjustment.....MECH-59
5-28. T4 Post Position Adjustment.....MECH-60
6. CONNECTOR LOCATION.....MECH-60
6-1. Mech. I/F P.C. Board.....MECH-60

1. NAME OF TAPE TRANSPORTATION



● :VFK1149 (Post Driver)

● :VFK1151 (Nut Driver)

NAME	LIMIT
S1 Post	UPPER
S2 Post	FIXED
S3 Post	FIXED
S4 Post	LOWER
S5 Post	LOWER
T1 Post	UPPER
T2 Post	FIXED
T3 Post	LOWER
T4 Post	LOWER

2. TABLE OF TEST POINT

2-1. Table of Test Point, VR, Setting for Service Menu

<Table of Test Point, VR>

Name		TP & VR
[Tension Arm Adjustment]		
TENSION		SERVO (F7) : TP201
TENSION OFFSET		MECHA I/F : VR1
TENSION GAIN		MECHA I/F : VR2
[Photo Sensor Voltage Adjustment]		
T-side Output		"A07 : T PHOTO" (SERVICE MENU)
T-side Adjustment Point		MECHA I/F : VR201
S-side Output		"A08: S PHOTO" (SERVICE MENU)
S-side Adjustment Point		MECHA I/F : VR202
[Tape Path, A/C Head Adjustment]		
R/P-L-ENV		RF (F8) : TP6301 EQ0 RF
R/P-L-HSW		SERVO (F7) : TP233
CTL		SERVO (F7) : TP30
FP (FRAME PULSE)		SERVO (F7) : TP301
CUE		AUDIO (F1) : TP200
[LISTA Adjustment]		
R/P-L-ATF ERR		RF (F8) : TP6701
R/P-R-ATF ERR		RF (F8) : TP6801
PB-L-ATF ERR		RF (F8) : TP5701
TRG	R/P-L-HSW	SERVO (F7) : TP233
	R/P-R-HSW	RF (F8) : TP6802
	PB-L-HSW	SERVO (F7) : TP232

<A/C Head Adjustment Mode>

Adjustment Name	Adjustment mode (SERVICE MENU)	
Azimuth, X Value Adj.	A15: RPL LIN 25	A13: RPL LIN 50
X Value compensation	A11: X VALUE 25	A10: X VALUE 50

<LISTA Adjustment Mode>

Adjustment Name	Adjustment Mode		
	SERVICE MENU		TPG
Sensitivity ADJ R/P	A14: RPL GAIN 25	A12: RPL GAIN 50	R/P-L-HSW
Linearity ADJ	A15: RPL LIN 25	A13: RPL LIN 50	
Sensitivity ADJ PB	A17: PBL GAIN 25	A16: PBL GAIN 50	PB-L-HSW
Sensitivity ADJ DV	A18: RPR GAIN DV		R/P-R-HSW

3. MECHANICAL ADJUSTMENT PROCEDURES

3-1. Post Height Pre-adjustment

MODE	EJECT (POWER OFF)
TOOL	VFK1149 or VFK1149A (Post Driver) VFK1151 (2.5mm Nut Driver) VFK1154 (Post Height Fixture) VFK1153 or VFK1586 (Mech. Neutral Plate)

1. Set the VTR to Loading condition (refer to NO TAPE LOADING METHOD in MECH-39)
2. Confirm that the Reel Table is located at M-Cassette position.
3. Install the Mech. Neutral Plate and adjust each post height to lower limit as following figure.
4. Please refer to following table about Post Driver to be used to adjust each post.

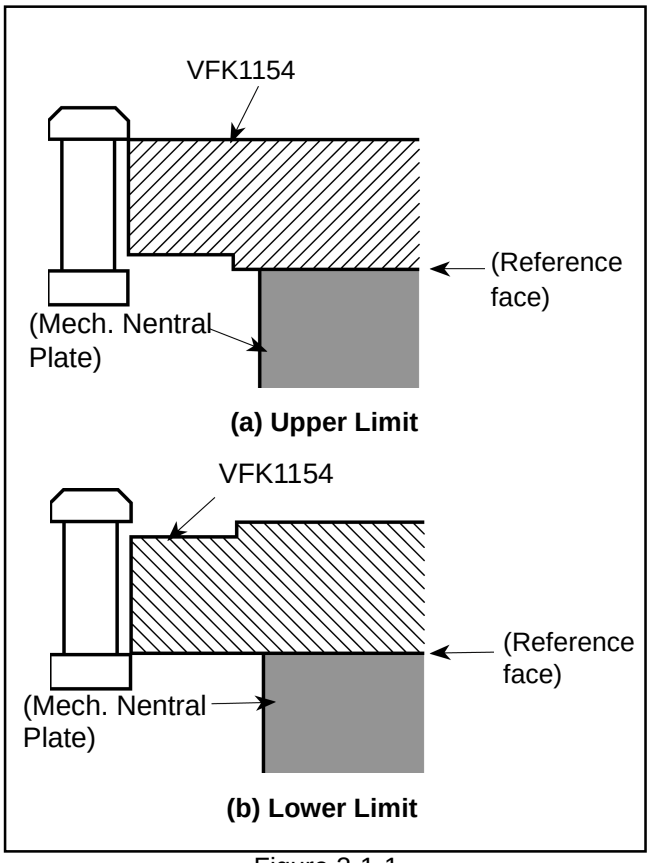


Figure 3-1-1

Post	Post Driver
S4 & S5 Post	VFK1149 or VFK1149A
T3 & T4 Post	VFK1151

Post	Limit
S4 & S5 Post	Lower Limit + 0.2 ± 0.05mm (Turn 1 round more counterclockwise from lower limit position.)
T3 & T4 Post	Lower Limit

3-2. Tension Arm Adjustment Flowchart

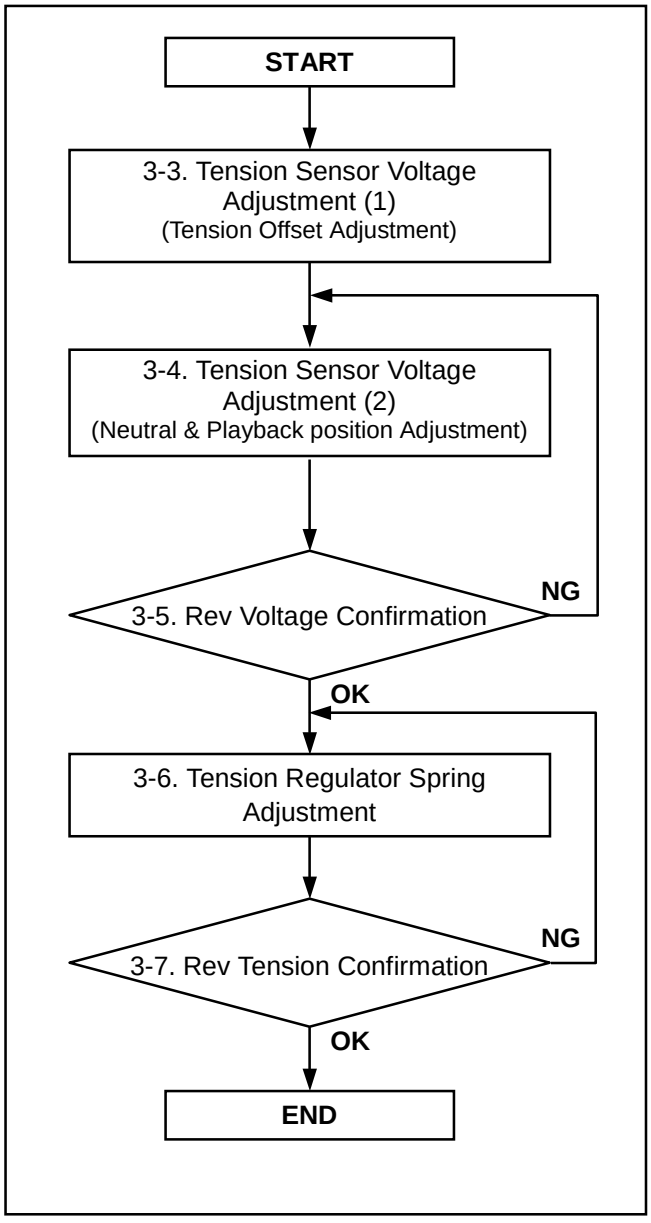


Figure 3-2-1

3-3. Tension Sensor Voltage Adjustment (1)

SPEC.	2.5V ± 0.05V
TEST POINT	TP201 (SERVO : F7)
ADJ.	VR1 (OFFSET) on the Mech. I/F board
MODE	EJECT
TOOL	Digital voltmeter

1. Connect the Digital voltmeter to TP201.
2. Adjust the VR1 on the Mech. I/F board so that the DC voltage is in the specification.

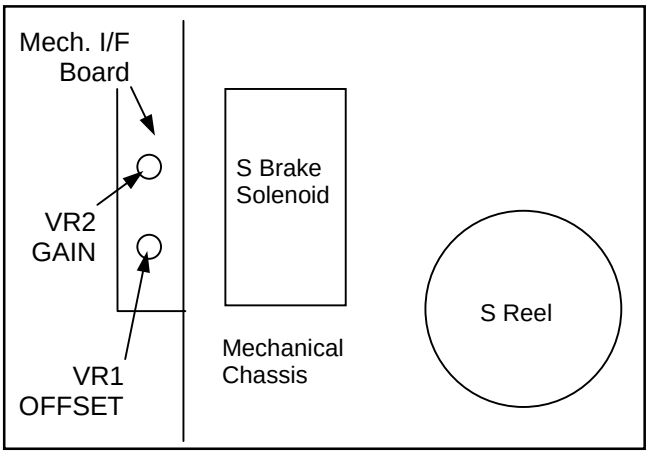


Figure 3-3-1

3-4. Tension Sensor Voltage Adjustment (2)

SPEC.	Neutral position : 2.5V ± 0.1V PLAY position : 3.8V ± 0.05V
TEST POINT	TP201 (SERVO : F7)
ADJ.	Sensor Position, VR2 (GAIN)
MODE	EJECT
TOOL	Digital voltmeter, VFK1208 (Neutral Position Tool, Black with hole) VFK1156 (PLAY Position Tool, Black)

NOTE:
Do not use magnetized tweezers and screwdriver.
Do not touch the magnetize screwdriver to S-Reel FG magnet portion, while adjusting the lever (D) portion.

<Preparation>
1. Loosen the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 3-4-1.
4. Connect the Flexible cable to P3 on the Carriage Board of Front Loading Unit.

<Adjustment Procedure>
1. Open the SERVICE MENU.
2. Select the **A00: SERVO ADJUST** and press the "SET" button to open the SERVO ADJUST MENU.
3. Select the **A09 TENSION**.
4. Install the VFK1208 (black with hole) as shown in figure.
5. Connect the Digital voltmeter to TP201.
6. Rotate JOG dial clockwise pushing Search button so that the mechanism shift to Loading mode. ("on" mark is displayed on **A09 : TENSION**)
7. Confirm the DC voltage at TP201 is 2.5V ± 0.1V (Neutral position). If it is not, adjust the sensor position as follows.
   Loosen the screw (A) and move the lever (D) with tweezers. After adjusting, rotate JOG dial counter clockwise pushing Search button to set the unloading position.
8. Remove the VFK1208 (black with hole), and install the VFK1156 (Black) as same way as VFK1208.
9. Rotate JOG dial clockwise pushing Search buttom so that the mechanism shift to Loading mode. ("on" mark is displayed on **A09 : TENSION**)
10. Adjust the VR2 (GAIN) on the Mech. I/F board so that the DC voltage at TP201 is 3.8V ± 0.05V (PLAY position).

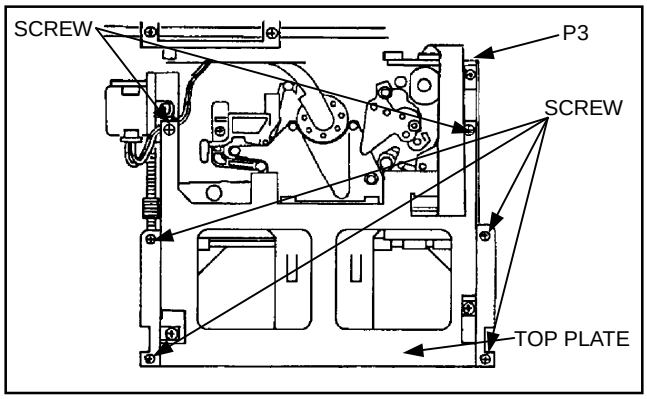


Figure 3-4-1

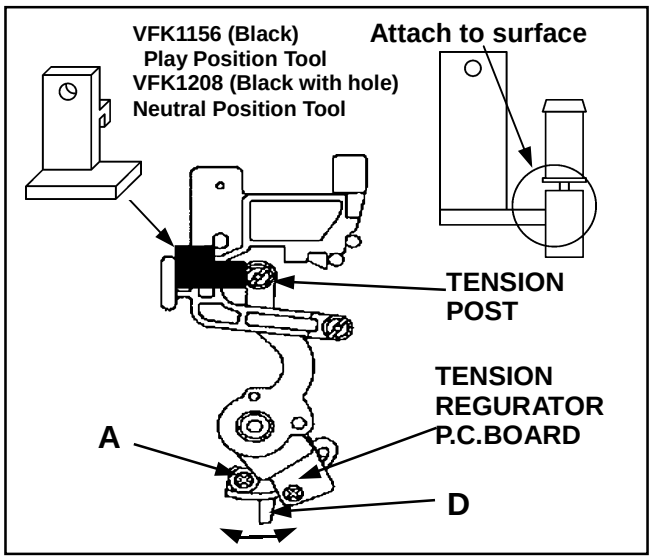


Figure 3-4-2

3-5. Tension Arm PLAY and REV Voltage Confirmation

SPEC	PLAY : 3.8 V ± 0.05 V REV : 1.2 V ± 0.3 V
TEST POINT	TP201 (SERVO : F7)
ADJ.	-----
MODE	PLAY, SHTL (REV)
TOOL	Digital Volt Meter

1. Insert the cassette tape (any cassette except thin type of tape) and confirm that the voltage of TP201 in each mode is in SPEC.
2. If it is out of SPEC even though item 3-3) – 3-4) is in SPEC.
   Servo P.C.B. or Mecha I/F P.C.B. might be faulty.

3-6. Tension Regulator Spring Adjustment

SPEC	110 ± 10 mN-m (11 ± 1gf)
TEST POINT	TP201 (SERVO : F7)
ADJ.	Tension Regulator Spring hook (B)
MODE	STOP
TOOL	VFK1188A (Dial Tension Gauge) Digital Volt Meter

<Preparation>

1. Loosen the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 3-4-1.
4. Connect the Flexible cable to P3 on the Carriage Board of Front Loading Unit.

<Adjustment Procedure>

1. Open the SERVICE MENU and Select the A00 : SERVO ADJUST and press the “SET” button to open the SERVO ADJUST MENU.
2. Select the A09 TENSION.
3. Rotate JOG dial clockwise pushing Search button so that the mechanism shift to Loading mode. (“on” mark is displayed on A09 : TENSION)
4. Push the tension post to the direction R by the tension gauge as shown in Figure 3-6-1 until the voltage at the test point becomes 3.8V (It means PLAY position). And then confirm the indication (tension) of gauge is in SPEC.
5. If it is out of SPEC, loosen the screw (C) and adjust the position of hook (B) so that the indication (tension) of gauge is within the specification.
   Then tighten the screw (C) and reconfirm tension is within the specification.

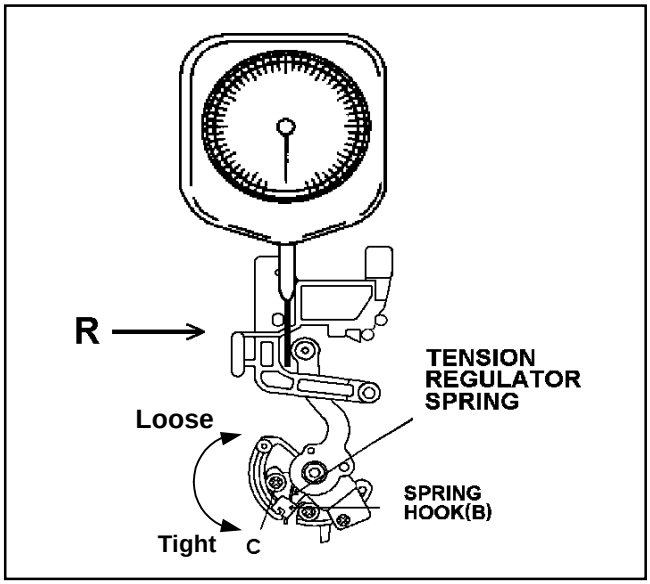


Figure 3-6-1

3-7. REV Tension Confirmation

SPEC	180mN ± 20mN (18gf ± 2gf)
TEST POINT	TP201 (SERVO : F7)
MODE	STOP
TOOL	VFK1188A (Dial Tension Gauge) Digital Volt Meter

<Preparation>

1. Loosen the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 3-4-1.
4. Connect the Flexible cable to P3 on the Carriage Board of Front Loading Unit.

<Confirmation Procedure>

1. Open the SERVICE MENU and Select the A00 : SERVO ADJUST and press the “SET” button to open the SERVO ADJUST MENU.
2. Select the A09 TENSION.
3. Rotate JOG dial clockwise pushing Search button so that the mechanism shift to Loading mode. (“on” mark is displayed on A09 : TENSION)
4. Push the tension post to the direction R by the tension gauge as shown in Figure 3-7-1 until the voltage at the test point becomes 1.2V (It means REV position).
5. Confirm that the indication (tension) of gauge is within the specification. If not, perform the Tension Spring Adjustment again.
6. After finishing this adjustment, glue the screw (A), (B) and (C). The glue quantity at (B) is half of (A) and (C).
   Glue the screw (A) and (C) should be as big as a grain of rice. For the screw (B), it showld be half of that.

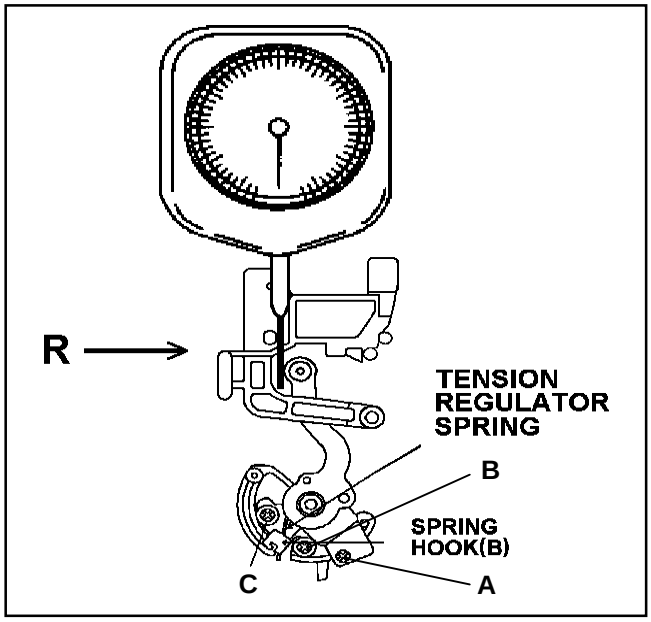


Figure 3-7-1

3-8. Tension Confirmation

SPEC	PLAY : 0.06N ± 0.01N (6gf ± 1gf) REV : 0.09N ± 0.02N (9gf ± 2gf)
MODE	PLAY, REV ×1
TAPE	63 min M size blank tape
TOOL	VFK1145A (Tension Meter)

♦ Please calibrate Tension Meter before tension measurement by the following procedure.

<Calibration of Tension Meter>

1. Attach the 7 grams calibration plumb to DVCPRO tape. (It's tape and plumb are included in VFK1145.)
2. Set the above tape to the Tension Meter as shown in figure 3-8-1.
3. Pull up the tape by the speed of 33mm/sec and adjust the Tension Meter so that the meter shows 7 grams (0.07N).

♦ To calibrate Tension Meter, the tape must be inserted into the posts of Tension Meter as shown in figure 3-8-1.

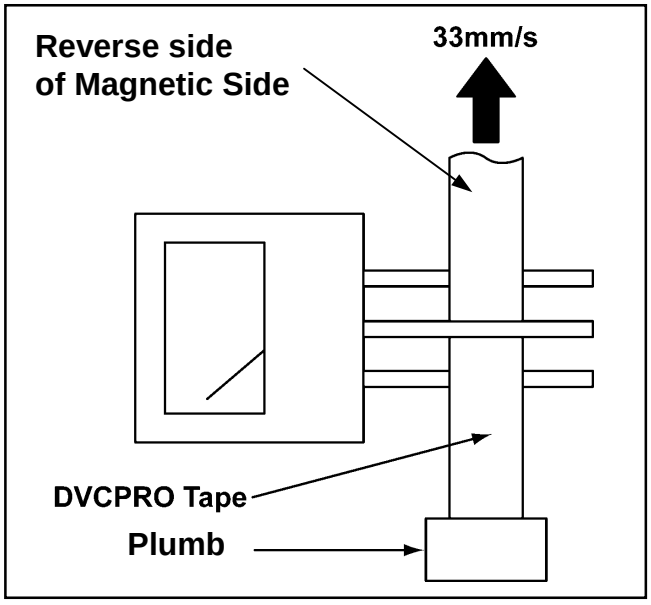


Figure 3-8-1

1. Play back the beginning portion of the tape.
2. Insert the tension meter between S3 post and S4 post as shown in figure 3-8-2.
3. Confirm that the tension value is within the specification.

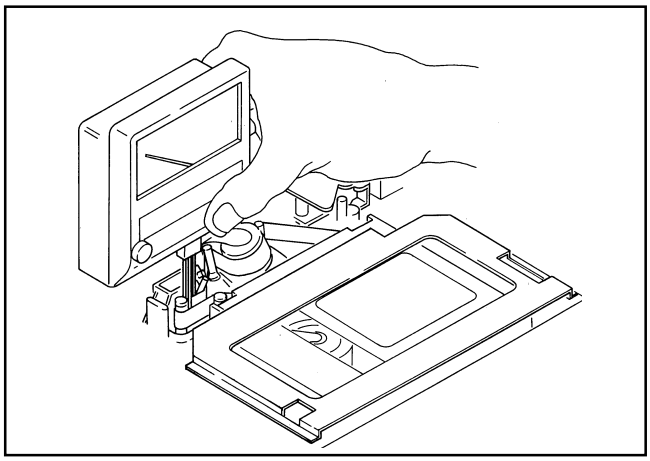


Figure 3-8-2

4. Place the unit in REV x1 mode.
5. Insert the tension meter between S4 post and S5 post as shown in figure 3-8-3. (Direction is reverse)
6. Confirm that the tension value is within the specification. (Read the meter from rear side as shown in figure 3-8-3.)
7. If it is out of specification, please perform the Tension Arm Adjustment.

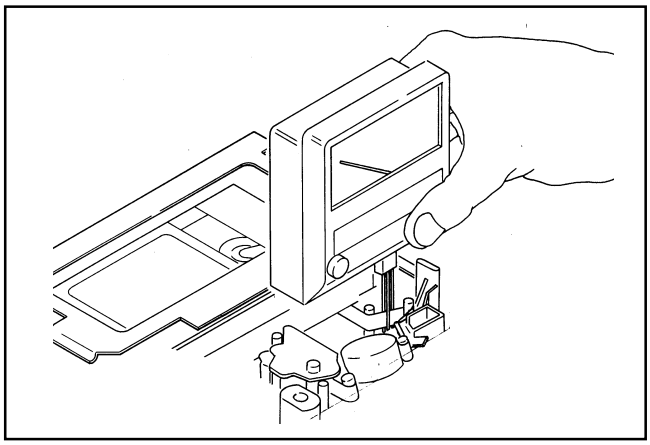


Figure 3-8-3

NOTE :
Pay attention not to give some tape damage.

3-9. Photo Sensor Voltage Adjustment

SPEC	2.2 ± 0.6 (V DC)
TEST POINT	<SERVICE-MENU : SERVO> The voltage is displayed on the Service menu. A07 : T PHOTO A08 : S PHOTO
ADJ.	T PHOTO VR201 (MECHA I/F) S PHOTO VR202 (MECHA I/F)
MODE	STOP
TAPE	VFK1423 (Tape Beg./End M Cassette)
M. EQ	Oscilloscope

<Classified list of specification>

1. Open the “Service Menu: Servo” and move the cursol (*) to “A07: T PHOTO”.
2. Insert the VFK1423 and check the voltage which is shown on the menu.
3. Adjust VR201 to meet the specification of T side photo Sensor Voltage.
4. Move the cursol (*) to “A08: S PHOTO” and check the voltage which is shown on the menu.
5. Adjust VR202 to meet the specification of S side photo Sensor Voltage.

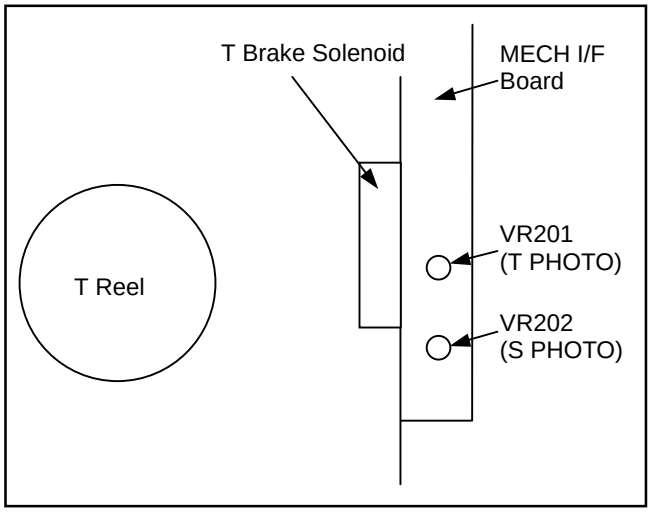
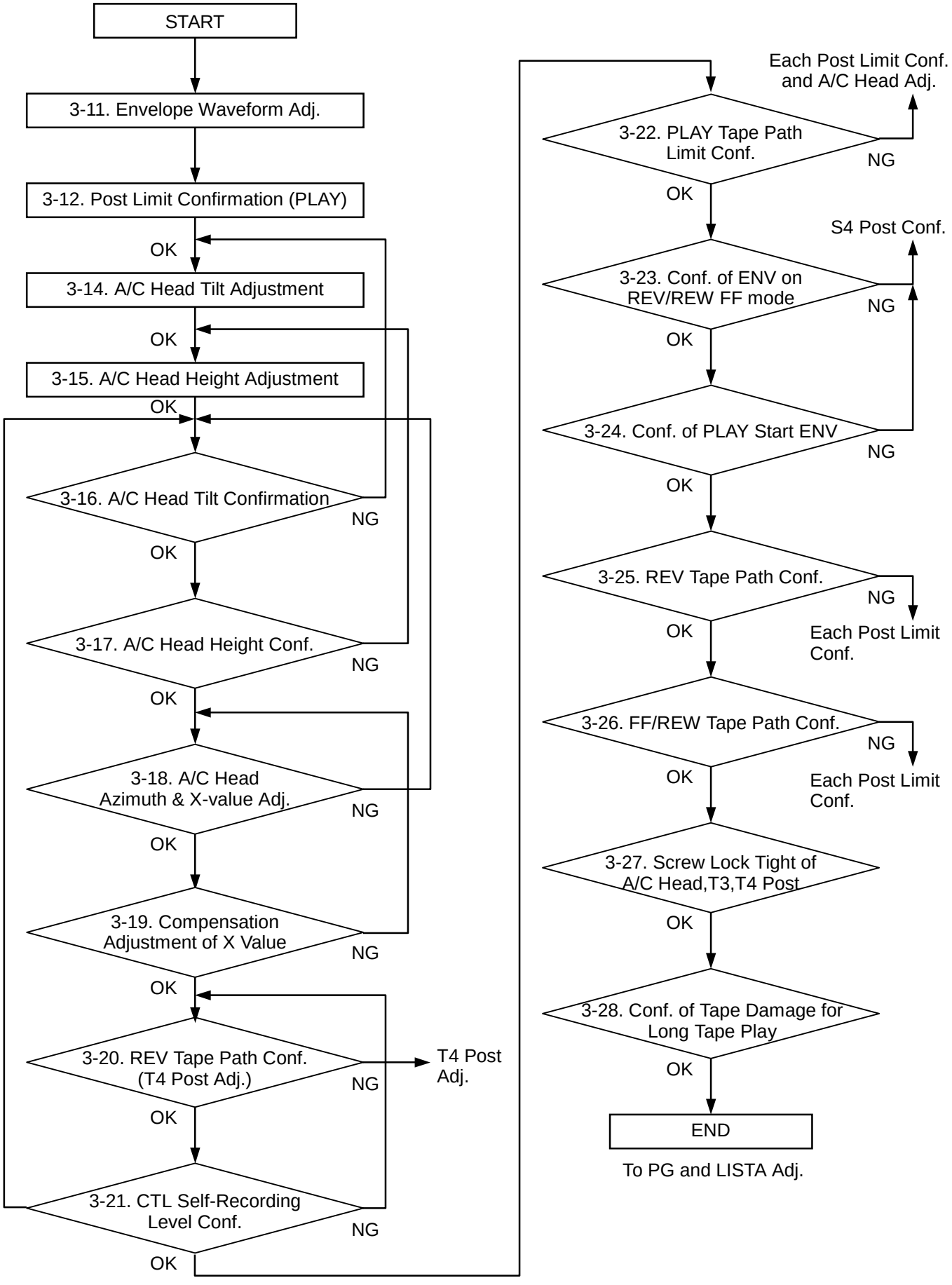


Figure 3-9-1

3-10.Tape Path Adjustment Procedure



3-11. Envelope Waveform Adjustment

SPEC	V1/Vmax, V2/Vmax, V3/Vmax ≥ 0.8
TEST POINT	TP6301 (RF : F8)
ADJ.	S1, T1 Post Height
MODE	PLAY (ATF)
TAPE	**NTSC** : VFM3580KM or VFM3580KL **(PAL** : VFM3680KM or VFM3680KL**)**
M.EQ	Oscilloscope
TOOL	VFK1149 or VFK1149A (Post Driver)

<Adjustment Procedure>

1. Playback the alignment tape with DVCPRO25 mode.
2. Adjust S1 and T1 post height so that the envelope signal is within the specification.
3. To adjust the S1 or T1 posts, at first raise the post height. Then the envelope at the entrance or exit side becomes small. Then down the post hight until envelope becomes flat.
4. As the order of adjustment, adjust T1 post to make it flat at exit side of envelope first and then adjust S1 post.
5. After finishing this adjustment, unload the tape and load the tape again, then confirm the shape of Envelope waveform does not change.

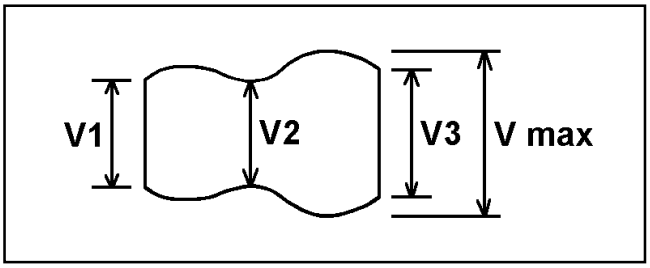


Figure 3-11-1

3-12. Post Limit Confirmation (PLAY)

SPEC	Post limit is shown in the following table. Curl should not appear on tape edge
MODE	PLAY
TAPE	Blank tape
TOOL	VFK1149 or VFK1149A (Post Driver) VFK1151 (Nut Driver)

1. Confirm that the tape path limit meets the specification in the following table. If not, adjust it.
2. Confirm that the tape path is not the condition of D, E and F as shown in figure 3-12-1.

Post	Limit	Adjustment Method
S5	Lower limit or Free	Refer to Post Height Pre-Adj.
S4	Lower Limit	
S1	Upper Limit	Envelope waveform Adj.
T1	Upper Limit	
T3	Lower Limit	Post Height Pre-Adj.
T4	Upper, Free or Lower limit	

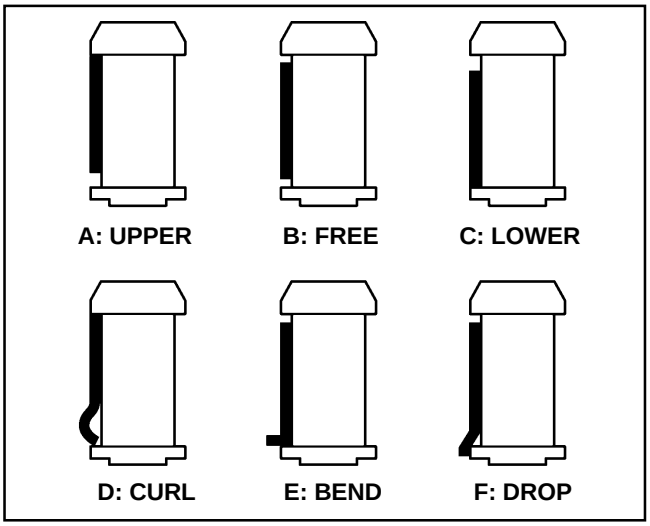


Figure 3-12-1

3-13. A/C Head Adjustment Method (General)

Adjustment item	SCREW	Adjustment Method	Torque
Tilt adjustment	A	①. Adjust screw A after loosening screw G. Tightened direction : Decrease Cue level Loosened direction : Increase Cue level ②. Tighten screw G after finishing the adjustment of screw A. (refer to following item “Azimuth adjustment & fix”)	None
Azimuth adjustment	F	①. Phase is adjusted by screw F after loosening screw G ②. Tighten screw G after finishing the adjustment of screw F. (refer to below item “Azimuth & Tilt”)	None
Fixing Azimuth & Tilt	G	Screw (G) must be always tightened during the adjustment except Tilt and Azimuth Adjustment.	10cN·m (1Kgf·cm)
Height adjustment	B	Tightened direction : In case CTL level increase when A/C Head Press down. Loosened direction : In case CTL level increase when A/C Head lift up **NOTE : Please refer to figure 3-13-4 for the portion to lift up and press down A/C Head.**	None
Fixing height	H	After height adjustment, tighten the screw (H) to fix height of A/C Head. Normally the CUE level is decreased when the screw (H) is tightened. Adjust screw (B) considering it.	19.6cN·m (2.0Kgf·cm)
X-value adjustment	C, D	①. Adjust X-value at Hole (E) by VFK0357, then tighten the screw (C) and (D) to fix A/C Head horizontal position. ②. Hit gently at the portion of A/C Head Top Plate as shown in figure 3-13-5 to confirm the phase shift.	24.6cN·m (2.5Kgf·cm)

SCREW	Tool for adjustment
A	VFK1178 (0.89mm Hex Driver)
B	VFK1150 (5.5mm Nut Driver)
F	VFK1148 (1.5mm Hex Driver)
C, D, G	VFK1209A (Torque Driver), VFK1148 (1.5mm Hex Driver) VFK0912 or 1375 (1.5mm Post Axis Driver)
H	VFK1190 (1.5mm L type of Hex Wrench)

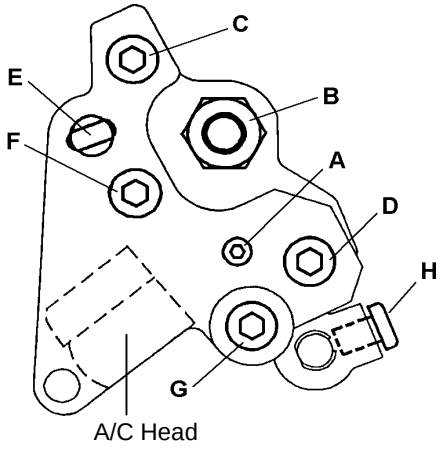


Figure 3-13-1

1. For Tilt and Azimuth adjustment, loosen the screw (G) first and tighten the screw (G) after finish adjustment. And if need to turn the screw (A) and (F) too much for adjustment, tighten screw (A), (F) and (G) alternately.

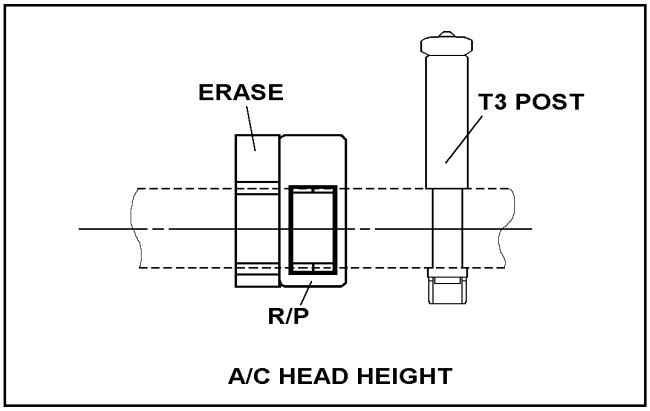


Figure 3-13-2

2. Perform the Height and X-value adjustment under the screw (G) tightened completely.
3. Be careful the tape damage at T3 Post, when adjust tilt of A/C Head. (refer to figure 3-13-2)

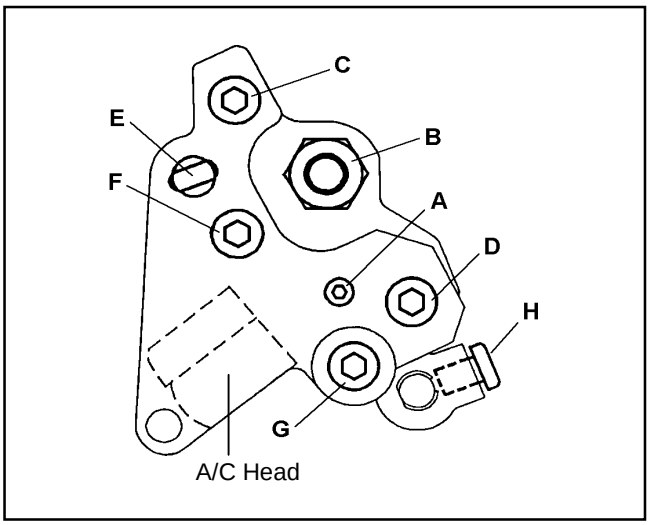


Figure 3-13-3

4. Confirm the screw (A) isn't loose, before perform A/C Head Tilt adjustment. The screw (A) should be always touch to top of A/C Head.
5. When the height of A/C Head is adjusted by the Nut (B), the screw (H) should be loosen first. And after height adjustment finished, tighten the screw (H) lightly.

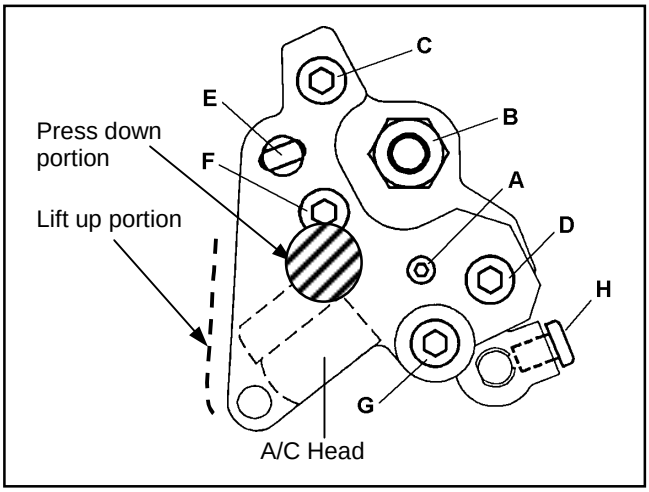


Figure 3-13-4

6. After finish X value adjustment, hit the portion (L) lightly and confirm the specification of X-value.
7. Each adjustment of A/C Head should be finished at the condition of tightening the each adjustment screw. And hit the portion (L) lightly to release the distortion of A/C Head plate.

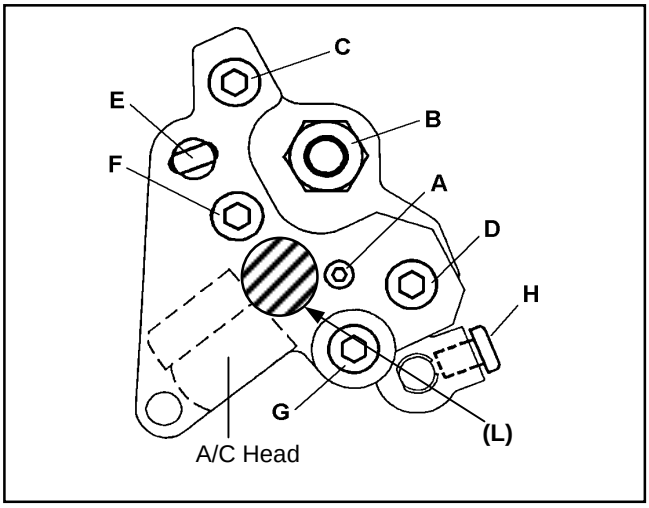


Figure 3-13-5

3-14. A/C Head Tilt Adjustment

SPEC	Curl should not appear on tape edge. Lower limit at T3 post
ADJ.	SCREW A, G (A/C Head)
MODE	PLAY
TAPE	Blank tape
TOOL	VFK1148, VFK1178 (Hex Driver)

1. Play back the tape and adjust the screw (A) for adjustment of A/C Head tilt so that the tape path meets the above specification.
2. For adjustment, loosen the screw (G) and make curl on tape at lower flange of T3 post by loosening screw (A). And tighten the screw (A) to raise the tape and fix it at the point where the curl just disappear.
3. Tighten the Screw (G) with 10cN·m (1kgf·cm) torque after finishing the adjustment for Screw (A).

NOTE :

1. **In case of turning the screw (A) clockwise.**
   → Tape goes up at T3 post.
   In case of turning the screw (A) counter-clockwise.
   → Tape goes down at T3 post.
2. **The screw (A) adjustment should be finished in tightening direction. And confirm that the screw (A) isn't loose.**
3. **The Adjustment of Tilt, Azimuth and Height influence each other. Hence those adjustment should be performed alternately.**

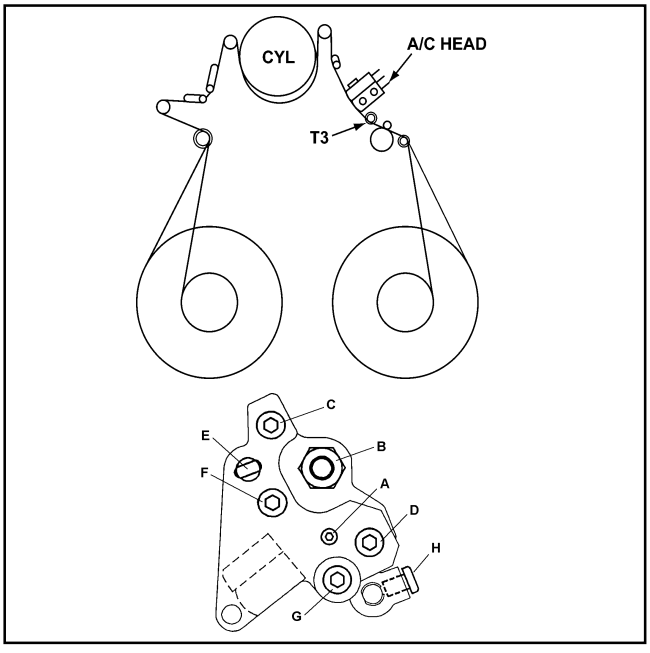


Figure 3-14-1

3-15. A/C Head Height Adjustment

SPEC	CUE : A=A max CTL : C1, C2 ≥ 1.8V
TEST POINT	CUE AUDIO : TP200 (F1 : AUDIO) CTL : TP30 (F7 : SERVO)
ADJ.	SCREW B, H (A/C Head)
MODE	25M mode PLAY
TAPE	**NTSC :** VFM3580KM or VFM3580KL (14 to 22min) **PAL :** VFM3680KM or VFM3680KL (14 to 22min)
TOOL	VFK1150 (Nut Driver) VFK1190 (Hex Wrench)

1. Press and Lift up A/C Head lightly (refer to figure 3-13-4), then confirm that the CTL and CUE output level is within the specification.
2. If it is out of spec., loosen the screw H and adjust the screw B until Cue output is maximized.
3. Confirmation of the level has to be done after the screw (H) is tighten completely. (refer to A/C Head Adjustment Method)
4. A/C head height adjustment should be done with Azimuth and X Value adjustment alternately.

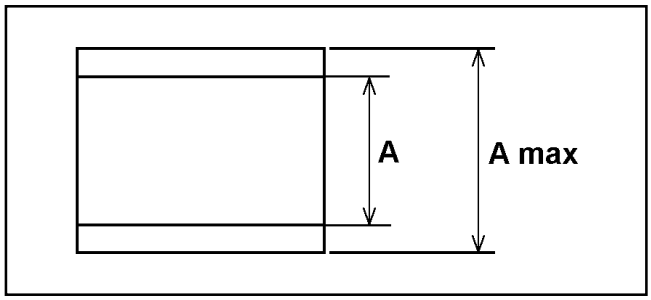


Figure 3-15-1

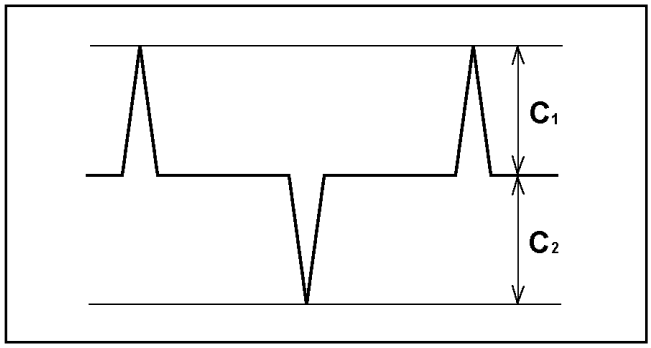


Figure 3-15-2

3-16. A/C Head Tilt Confirmation

SPEC	A/Amax ≥ 0.8
TEST POINT	CUE AUDIO : TP200 (F1 : AUDIO)
ADJ.	SCREW A, G (A/C Head)
MODE	PLAY
TAPE	**NTSC :** VFM3580KM or VFM3580KL (14 to 22min) [**PAL :** VFM3680KM or VFM3680KL (14 to 22min)]
TOOL	VFK1178, VFK1148 (Hex Driver)

1. Playback the Alignment tape.
2. Confirm that the screw (G) and (H) are not loose.
3. Push the tension post to the arrow (B) direction as shown in following figure without moving T2 post. And confirm that the CUE output level is within the specification.
4. If it is out of specification, loosen the screw (G) and adjust the screw (A) (refer to item “3-14 A/C Head tilt Adjustment”.)
5. If the adjustment is performed, confirm the tape path condition according to Post Limit Confirmation procedure (item 3-12).

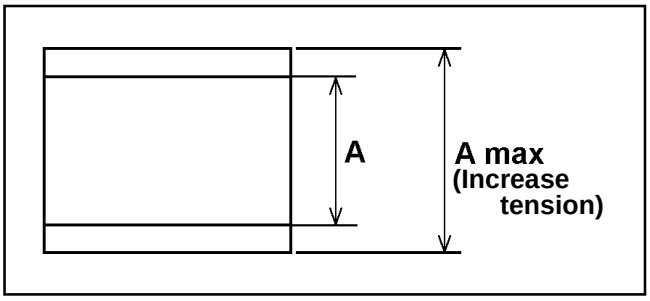


Figure 3-16-1

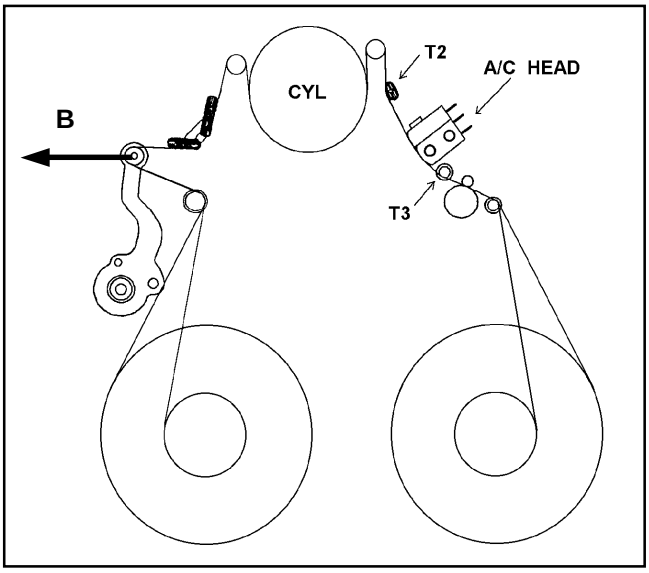


Figure 3-16-2

3-17. A/C Head Height Confirmation

SPEC	CUE : A=A max CTL : C1, C2 ≥ 1.8V
TEST POINT	CUE AUDIO : TP200 (F1 : AUDIO) CTL : TP30 (F7 : SERVO)
ADJ.	SCREW B, H (A/C Head)
MODE	25M mode PLAY
TAPE	**NTSC :** VFM3580KM or VFM3580KL (14 to 22min) [**PAL :** VFM3680KM or VFM3680KL (14 to 22min)]
TOOL	VFK1150 (Nut Driver) VFK1190 (Hex Wrench)

1. Press and Lift up A/C Head lightly (refer to figure 3-13-4) then confirm that the CTL and CUE output level is within the specification.
2. If it is out of spec., loosen the screw (H) and adjust the screw (B) until Cue output is maximized. (refer to item “3-15 A/C Head Height Adjustment”.)

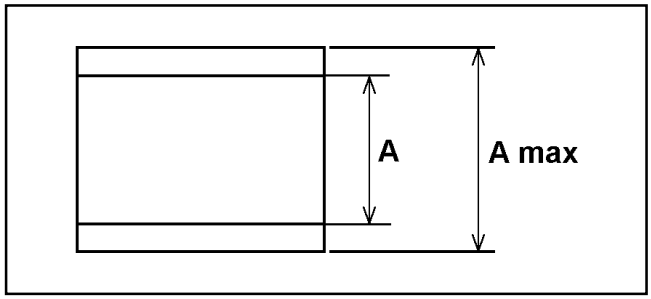


Figure 3-17-1

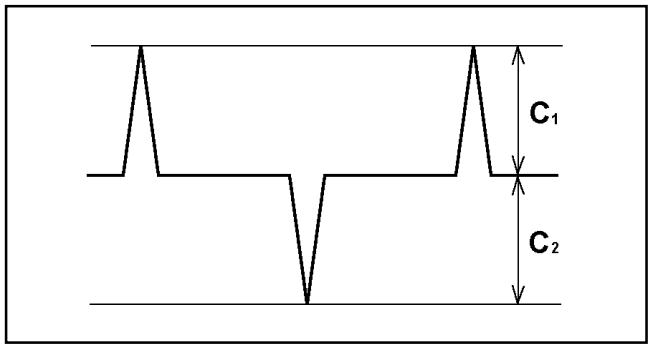


Figure 3-17-2

3-18. A/C Head Azimuth and X-value Adjustment

SPEC	**25M mode : -250μs ≤ t1, t2 ≤ +250μs** **50M mode : -125μs ≤ t1, t2 ≤ +125μs**	**TEST POINT**	R/P ENV L	TP6301 : RF (F8)
			R/P HSW L	TP233 : SERVO (F7)
			CUE	TP200 : AUDIO (F1)
			CTL	TP30 : SERVO (F7)
		M. EQ	Oscilloscope	
ADJ.	A/C Head each screw(C,D,F,G) and hole (E)	**TOOL**	VFK0357 (Eccentric Driver) VFK1148 (Hex Driver) VFK1209A (Torque Driver) VFK0912 or VFK1375 (Hex Bit)	
MODE	See below			
TAPE	**NTSC :** VFM3582KM or VFM3582KL **(PAL :** VFM3682KM or VFM3682KL**)**			

(CTL Reference)

Reference (Trigger)
rising edge : refer to below figure.

(VTR mode)

Mode
25M/50M : ATF PLAY mode by RP Head. 25M mode : A15 : RPL LIN25 50M mode : A13 : RPL LIN50

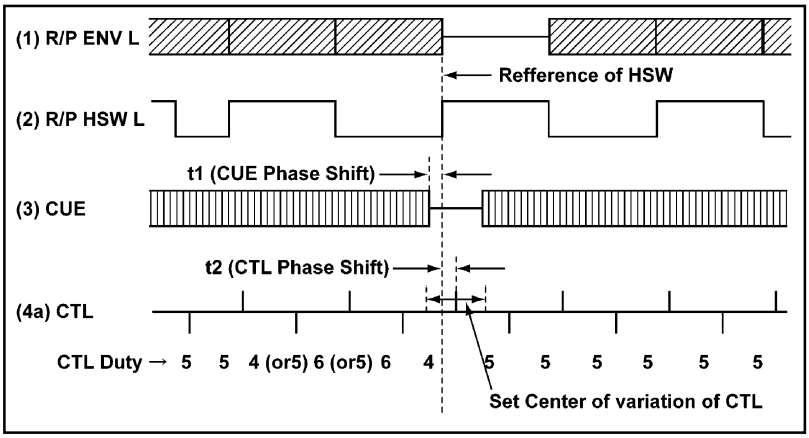


Figure 3-18-1

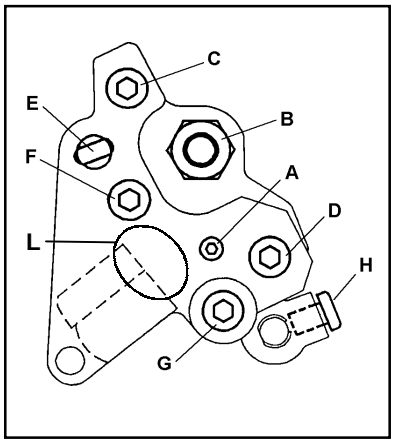


Figure 3-18-2

1. Set the VTR to ATF PLAY mode by RP HEAD.
2. Set the VTR in 25M mode (A15 : RPL LIN25) and playback an X-value Alignment tape.
3. Confirm that the rising edge of CTL match with the front position of non-recorded portion of CUE. If not adjust the Screw (F) to match both phase. (refer to "3-13. A/C Head Adjustment Method").
4. Adjust A/C Head Horizontal position so that CTL trigger at the frame start match with the reference of HSW (t2). The frame start CTL is located at the edge between 6 : 4 and 5 : 5 portion. To adjust A/C Head Horizontal position, loosen the screw (C) and (D), then adjust the hole (E) by VFK0357. After adjustment, tighten the screw (C) and (D) with 24.6cN (2.5Kgf) torque.
5. Hit the top plate (portion L as shown in figure) of A/C Head lightly, then confirm the phase is not shifted finally.
6. Confirm that t1 and t2 is within SPEC. If not, return to item 3.
7. Set the VTR in 50M mode (A13 : RPL LIN50) and confirm the timing is within the specification. If it is out of spec., return to item3.
8. Fix the screw by Lock Tight glue after the adjustment (refer to item 3-27).

3-19. Compensation Adjustment Of X Value

SPEC	A10 : X VALUE 50 → 0 ± 27 A11 : X VALUE 25 → 0 ± 27
TEST POINT	-----
ADJ.	Search button
MODE	PLAY
TAPE	**NTSC:**VFM3580KM or VFM3580KL **(PAL:**VFM3680KM or VFM3680KL**)**
TOOL	-----

1. Select A10: X VALUE 50 in SERVO MENU.
2. Playback the alignment tape.
3. Press Search button so that the following character is displayed on the screen.

   PLAY ALIGNMENT TAPE OK?
   OK : <SEAR CH>
   NO : <Menu>

4. Keep pressing the Search button until the compensation value on the A10: X VALUE 50 is renewed. (The value dissapear in a moment before it is renewed.)
5. Select A11: X VALUE 25 in SERVO MENU.
6. Playback the alignment tape.
7. Press Search button so that the following character is displayed on the screen.

   PLAY ALIGNMENT TAPE OK?
   OK : <SEAR CH>
   NO : <Menu>

8. Keep pressing the Search button unit the compensation value on the A11: X VALUE 25 is renewed. (The value dissapear in a moment before it is renewed.)
9. Confirm that the compensation value meets the SPEC.
10. If it is out of SPEC., perform X-value Adjustment (item 3-18).

3-20. REV Tape Path Confirmation and Adjustment (T4 Post Height Adjustment)

SPEC	①. C1, C2 ≥ Cp1×0.75, Cp2×0.75 **NOTE:** **C1, C2 : CTL output REV (x-1) mode** **Cp1, Cp2 : CTL output PLAY (x1) mode.** ②. Lower limit at T3 post on REV mode. ③. Curl should not appear on tape at T3 and T4 post.
TEST POINT	CTL : TP30 : SERVO (F7)
ADJ.	T4 post height
MODE	See below
TAPE	**NTSC:**VFM3580KM or VFM3580KL **(PAL:**VFM3680KM or VFM3680KL**)**
TOOL	VFK1151 (Nut Driver)

(VTR mode)

Mode
[PLAY (+1)]
PLAY on 25M mode
[REV (-1)]
SHTL × -1 on 25M mode

1. Place the unit into REV X1 mode and confirm that the CTL output level becomes more than 75% of that of play mode. Confirm that the tape path becomes lower limit at T3 post and the tape does not have curl at T3 and T4 post.
2. If it is out of specification, adjust T4 post by following procedure.
3. Turn the Nut of T4 post clockwise or counter clockwise by the tape limit condition at T3 post. The rotation angle for each adjustment should be less than 45 degree in order to prevent the tape damage.
4. If still it is out of specification, adjust T4 post height by following the item “3-1. Post Height Pre-adjustment procedure”.
5. Fix the screw by Lock Tight glue after the adjustment (refer to item 3-27).

[T4 Nut Adjustment Direction]

Direction	CTL Level	Condition of lower limit on T3 Post
Tighten	Increase	Tape touch to be strong
Loosen	Decrease	Tape touch to be weak

[Post limit]

Post	A	B	C	D	E	F
T3	NG	NG	OK	NG	NG	NG
T4	OK	OK	OK	NG	NG	NG

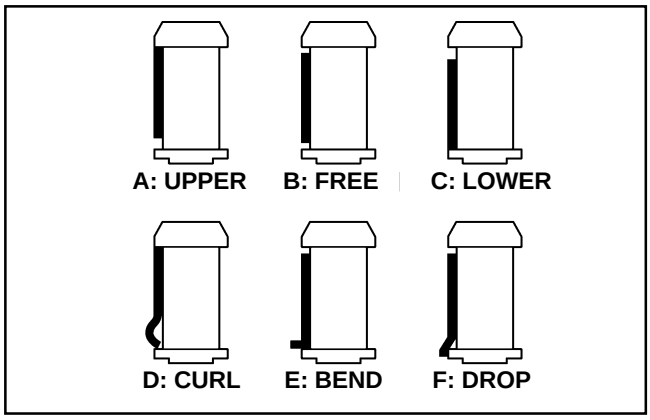


Figure 3-20-1

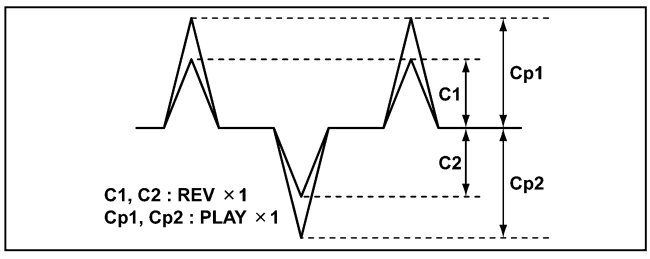


Figure 3-20-2

3-21. CTL Self Recording Level Confirmation

TEST POINT	TP30 : SERVO (F7)
ADJ.	T4 post height
MODE	PLAY, REV×1, REV×0.2
TAPE	Blank Tape M cassette 66 min
M.EQ	Oscilloscope

(Specification for confirmation)

CTL Output Level : C1, C2
PLAY
C1, C2 ≥ 1.8 V
REV (SHTL x-1)
C1, C2 ≥ 1.4 V
REV (SHTL x-0.2)
C1, C2 ≥ 1.2 V

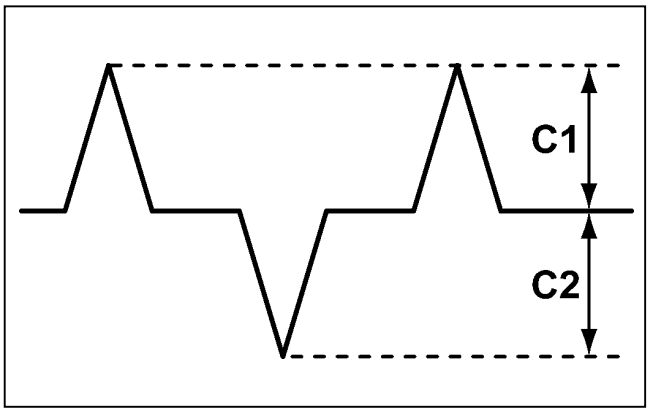


Figure 3-21-1

1. Confirm that the each screws are fixed on A/C Head.
2. Place the Unit into DVCPRO 25M REC mode and playback the recorded portion.
3. Confirm that the CTL level is within the specification at PLAY and REV mode.
4. If CTL level is out of specification at PLAY mode, confirm the height of A/C Head (refer to item “3-17. A/C Head Height Confirmation”)
5. If CTL level is out of specification at REV mode, confirm the height of T4 Post (refer to item “3-20. REV Tape Path Confirmation and Adjustment”).

3-22. Play Tape Path Limit Confirmation

SPEC	Each post limit shown in figure below.
MODE	PLAY
TAPE	VFM3580KM/L or Blank Tape

Post Name	**Tape limit (refer to figure)**						**Adjustment Point**	**Adjustment Item**
	A	**B**	**C**	**D**	**E**	**F**		
S5 post	NG	OK	OK	NG	NG	NG	S4, S5 post	Post Height Pre-Adjustment
S4 (Tension) post	NG	NG	OK	NG	NG	NG		
S1 post	OK	NG	NG	NG	NG	NG	S1, T1 post	ENV Waveform Adjustment
T1 post	OK	NG	NG	NG	NG	NG		
T3 post	NG	NG	OK	NG	NG	NG	A/C Head tilt screw	A/C Head Tilt Adjustment
T4 post	OK	OK	OK	NG	NG	NG	T4 post	Post Height Pre-Adjustment

Table 3-22-1

1. Place the unit into PLAY mode and confirm that the each post limits is within the specification.
2. If it is out of specification, adjust the post height by following the each adjustment procedure (Refer to above table).

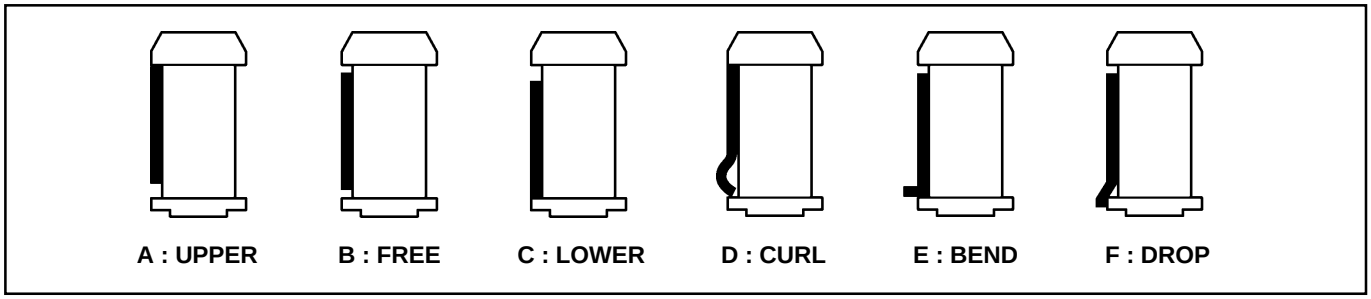


Figure 3-22-1

3-23. Confirmation of Envelope on REV, REW and FF mode

SPEC	See Figure 3-23-1
TEST POINT	See below
MODE	REV, REW, FF
TAPE	**NTSC :** VFM3580KM or VFM3580KL **(PAL :** VFM3680KM or VFM3680KL**)**
M. EQ	Oscilloscope

(Test Point)

Signal	Test Point
(1) R/P ENV L	TP6301 : RF (F8)
(2) R/P HSW L	TP233 : SERVO (F7)

Table 3-23-1

1. Confirm that the Envelope waveform becomes in the specification at REV, REW and FF mode as following.
   - Waveform must be Diamond Style. (Figure 3-23-1)
   - All the peak level must be more than 90% of maximum level.
     V/Vmax ≥ 0.9
2. If it is out of spec, adjust S4 post height. (refer to item “3-1.Post Height Pre-Adjustment”)

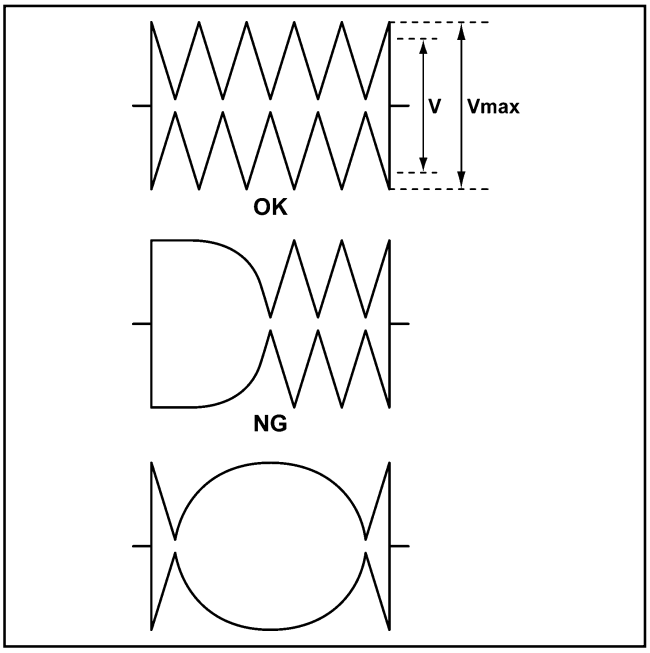


Figure 3-23-1

3-24. Confirmation of Play Start Envelope

SPEC	Envelope Waveform signal should be rising up immediately at PLAY mode.
TEST POINT	Refer to Table 3-23-1 on previous item “3-23. Confirmation of Envelope on REV/REW and FF mode”.
MODE	REW/REV → PLAY, FF → PLAY, Loading completion (STOP) → PLAY
TAPE	L Cassette (123min, Recorded tape) Tape beginning portion
M. EQ	Oscilloscope

This adjustment must be done after Envelope Waveform Adjustment.

1. Confirm that the envelope appears immediately when the mode is changed from REW to PLAY, REV to PLAY, FF to PLAY, and STOP to PLAY mode.
2. If not, adjust S4 post height. (refer to item “Post Height Pre-Adjustment”)

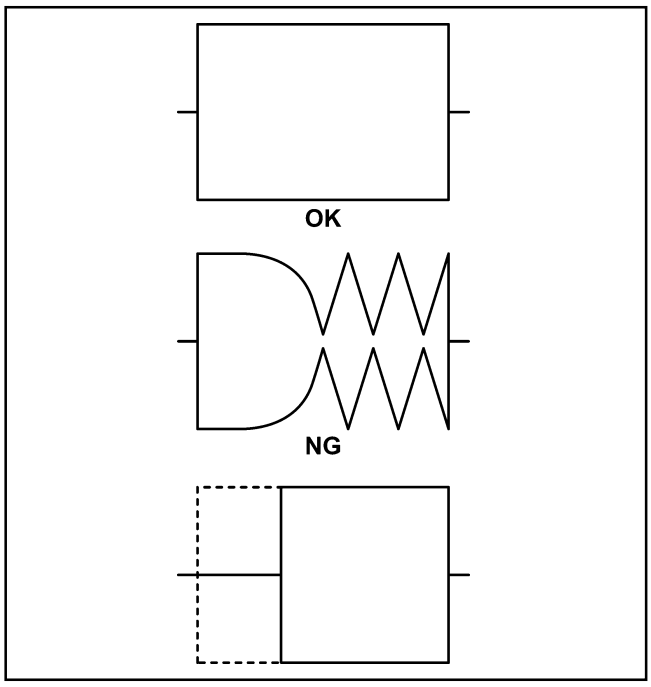


Figure 3-24-1

3-25. REV mode Tape Path Limit Confirmation

SPEC	Each post limit shown in below figure
MODE	REV
TAPE	**NTSC :** VFM3580KM or VFM3580KL **(PAL :** VFM3680KM or VFM3680KL**)**

Post Name	Tape Limit (Refer to figure 3-25-1)					
	A	**B**	**C**	**D**	**E**	**F**
S5 Post	OK	OK	OK	NG	NG	NG
S4 Post (Tension Post)	NG	OK	OK	NG	NG	NG
S1 Post	OK	NG	NG	NG	NG	NG
T1 Post	OK	OK	OK	NG	NG	NG
T3 Post	NG	NG	OK	NG	NG	NG
T4 Post	OK	OK	OK	NG	NG	NG

1. Place unit into REV mode and confirm the each post limits is within the specification.
2. If it is out of specification, adjust the post height by following the each adjustment procedure (Refer to Table 3-22-1 on item 3-22)

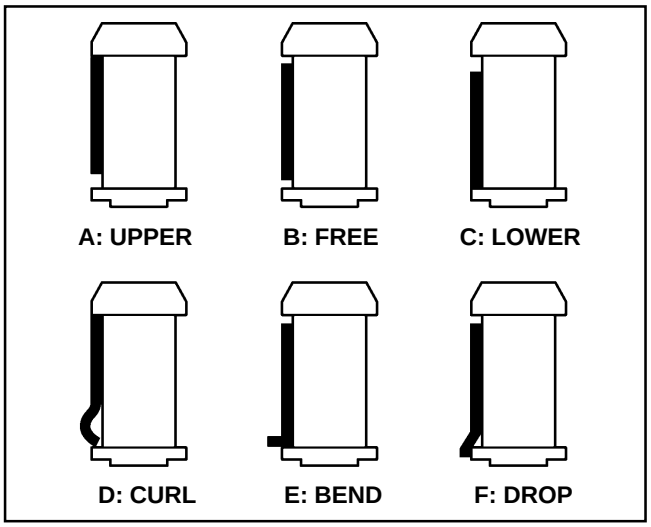


Figure 3-25-1

3-26. FF, REW mode Tape Path Limit Confirmation

SPEC	Each post limit shown in below figure
MODE	FF, REW
TAPE	**NTSC :** VFM3580KM or VFM3580KL **(PAL :** VFM3680KM or VFM3680KL**)**

Post Name	Tape Limit (Refer to figure 3-25-1)					
	A	**B**	**C**	**D**	**E**	**F**
S5 Post	OK	OK	OK	NG	NG	NG
S4 Post (Tension Post)	NG	OK	OK	NG	NG	NG
S1 Post	OK	NG	NG	NG	NG	NG
T1 Post	OK	OK	OK	NG	NG	NG
T3 Post	OK	OK	OK	NG	NG	NG
T4 Post	OK	OK	OK	NG	NG	NG

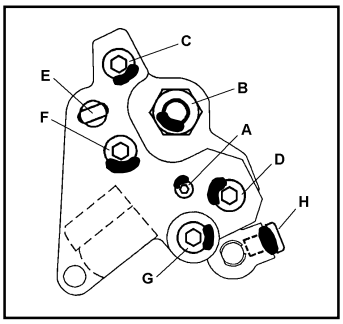
1. Place the unit into FF and REW mode and confirm the each post limits is within the specification.
2. If out of specification, adjust the post height by following the each adjustment procedure (Refer to Table 3-22-1 on item 3-22)

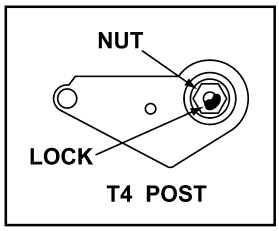
3-27. Screw Lock Tight of A/C Head and T3, T4 Post

<Screw Lock Tight of A/C Head>

	SCREW A	**OTHER SCREWS**
Lock Tight glue Quantity	1/3 of the screw	1/3 of the screw

1. Fix the screw by the Lock Tight glue after A/C Head Adjustment as shown in figure below.
2. Melt the glue before adjust each screws.





<Screw Lock Tight of T3 and T4 Post>

	SCREW A	**OTHER SCREWS**
Lock Tight glue Quantity	1/4 of the screw	1/4 of the screw

1. Fix the Nut by the Lock Tight Grew after T4 Post Height Adjustment.
2. Melt the grew before performing adjustment.

3-28. Confirmation of Tape Damage for Long Tape Playback

<Confirmation procedure>

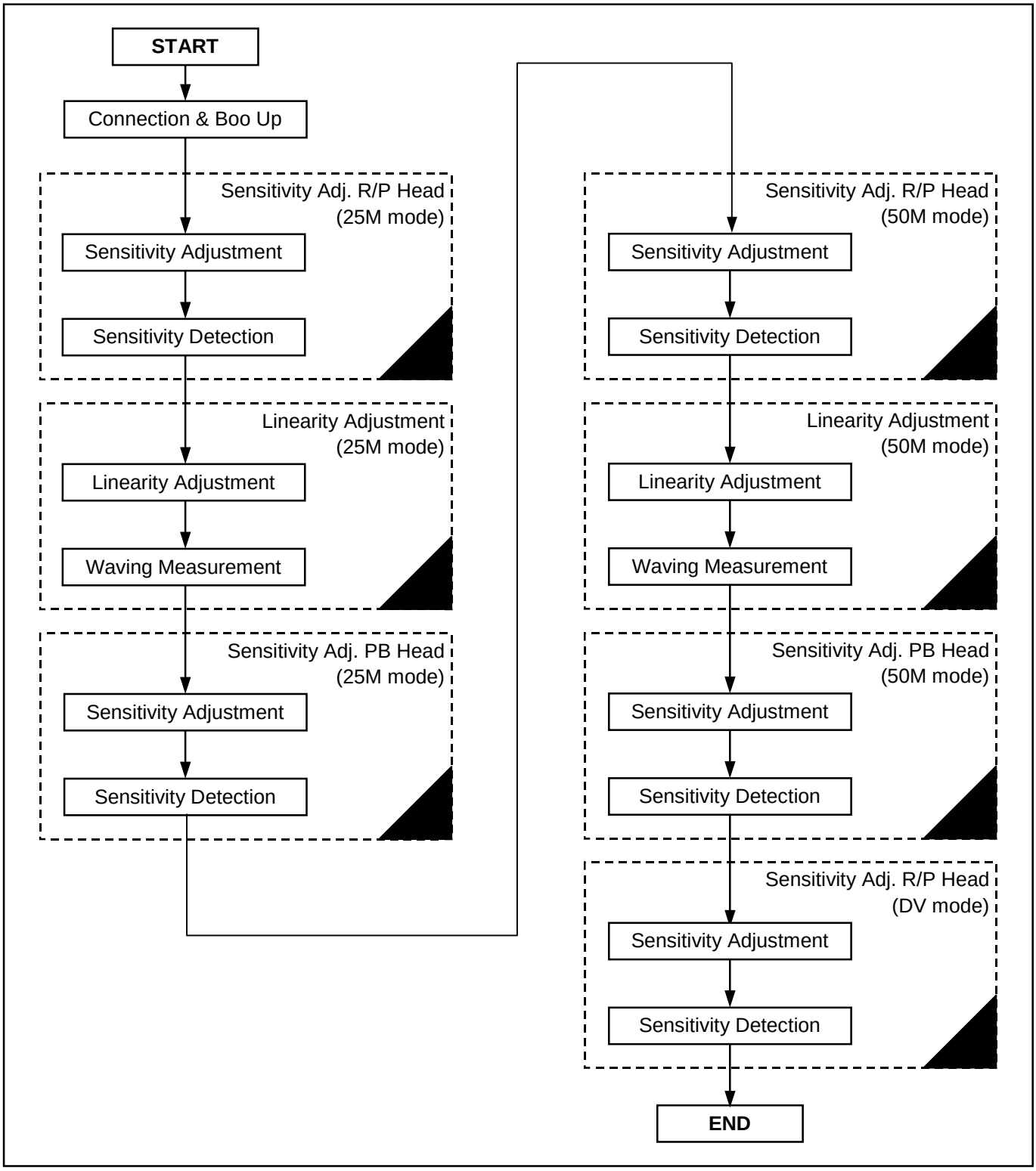
Item	Confirmation mode	Specification
Tape Damage ①	×0.5 speed (step slow)	Tape damage should not occur on tape at lower limit of T3 and T4 post.
	<Tape> Long time L cassette: thin tape (AJ-5P92LP : recorded tape) Tape beginning portion	
Tape Damage ②	SHTL	Tape damage should not occur on tape at lower limit of T3 and T4 post.
	Repeat FWD←→REV mode (maximum speed at Pinch ON condition)	
	<Tape> Long time L cassette: thin tape (AJ-5P92LP : recorded tape) Tape end portion	

1. Place the unit into above “Confirmation mode”.
2. Confirm that tape damage doesn’t occur on tape at lower limit of T3 and T4 post.
3. If it is out of SPEC., adjust T4 post and return to item 3-20.

NOTE: Recording mode of the tape which is used for this confirmation is DVCPRO50 mode.

3-29. LISTA Adjustment Procedure

Procedure



<Information>

Mode changes 25M ←→ 50M of LISTA software can be performed on the LISTA main menu by pressing **"0"** key on Keyboard of PC..

3-30. LISTA Connection and Boot Up

TEST POINT	ATF ERROR	R/P-L	TP6701 RF (F8)
		R/P-R	TP6801 RF (F8)
		PB-L	TP5701 RF (F8)
	TRIGGER (H SW)	R/P-L	TP233 SERVO (F7)
		R/P-R	TP6802 RF (F8)
		PB-L	TP232 SERVO (F7)
M. EQ.	PC (Personal Computer) (A/D board should be installed)		
TAPE	**NTSC :** VFM3581KM or VFM3581KL (LISTA), VFM3000EDS (DV LISTA) **(PAL :** VFM3681KM or VFM3681KL (LISTA), VFM3000EDS (DV LISTA)**)**		
TOOL	VFK1481D (LISTA Software), VFK1186 (LISTA Cable), VFK1300 (AD Converter board)		

<Classified list for LISTA Connection>

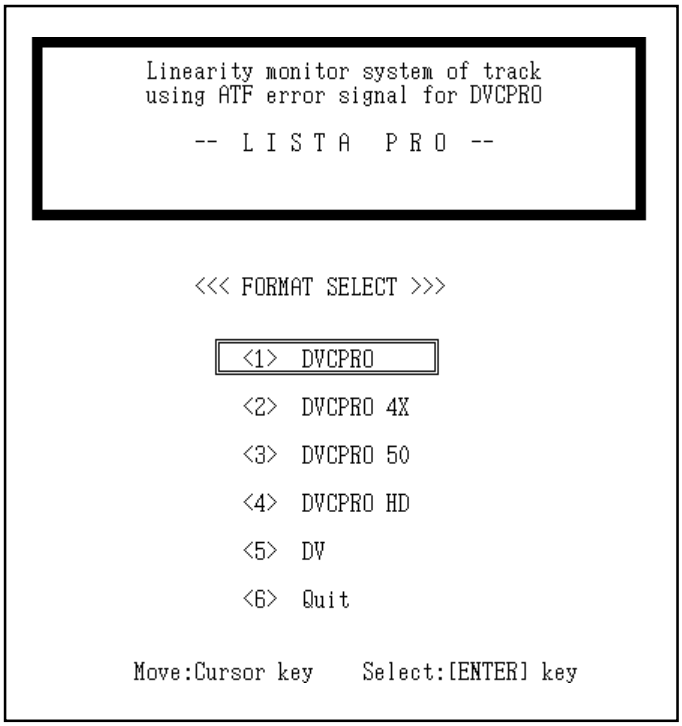
1. Connect the LISTA cable to A/D Board in the PC.
2. Connect the clips of the LISTA cable to test point on the P.C.Board.
3. Boot up the LISTA software on DOS mode.

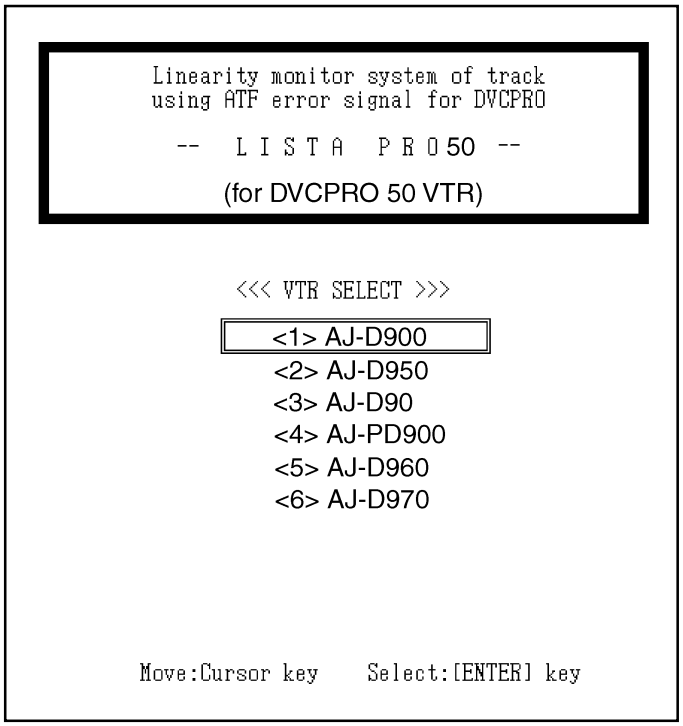
♦ How to install and boot Up ♦

Make a directory like C : Lista and Copy all files in the floppy disk (VFK1481D : LISTA Software) to it on PC.

Type **"LISTA"** and press **ENTER** key, then the LISTA software VFK1481D boot up.

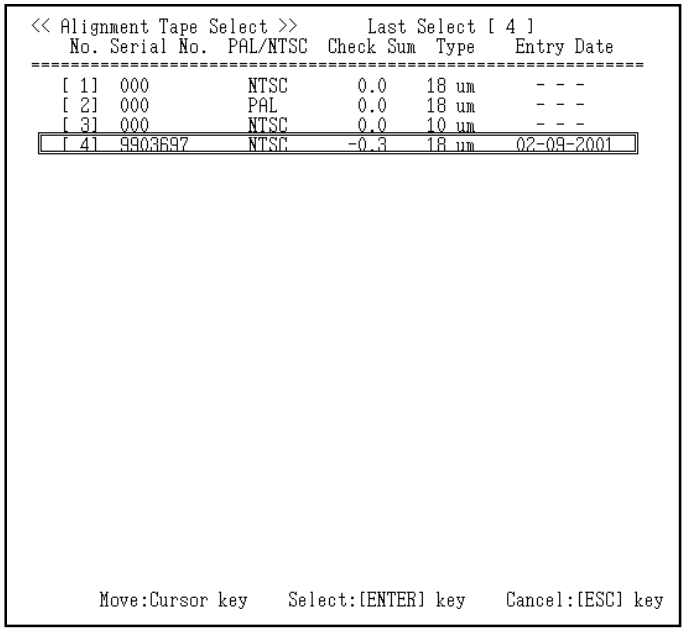
4. After the LISTA software boot up, <<< FORMAT SELECT >>> display appears. Select the "DVCPRO 50" so that the <<VTR SELECT>> Menu appears.
5. Select "AJ-D950" in <<VTR SELECT>> menu so that the <<Aligument Tape Select>> Menu appears.



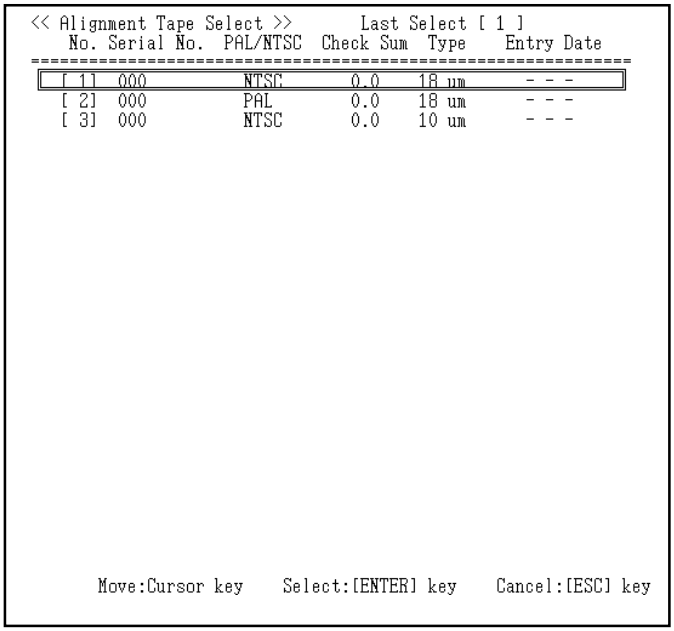


6. Select the Serial number of the Alignment tape on the screen. If LISTA software does not have alignment tape data registered, data entry is needed. Press the ESC key, then main menu is displayed on the screen. And select the item “<4> Alignment Tape” to enter the data on the attachment sheet which is enclosed with alignment tape.
7. If LISTA software has the data of alignment tape, select the serial number of Alignment tape, then message “ok?(y/n)” appears on the screen. And press “ Y ” or “ ENTER ” key so that LISTA main menu is displayed on screen.

<< In case Alignment Tape data is already registered >>

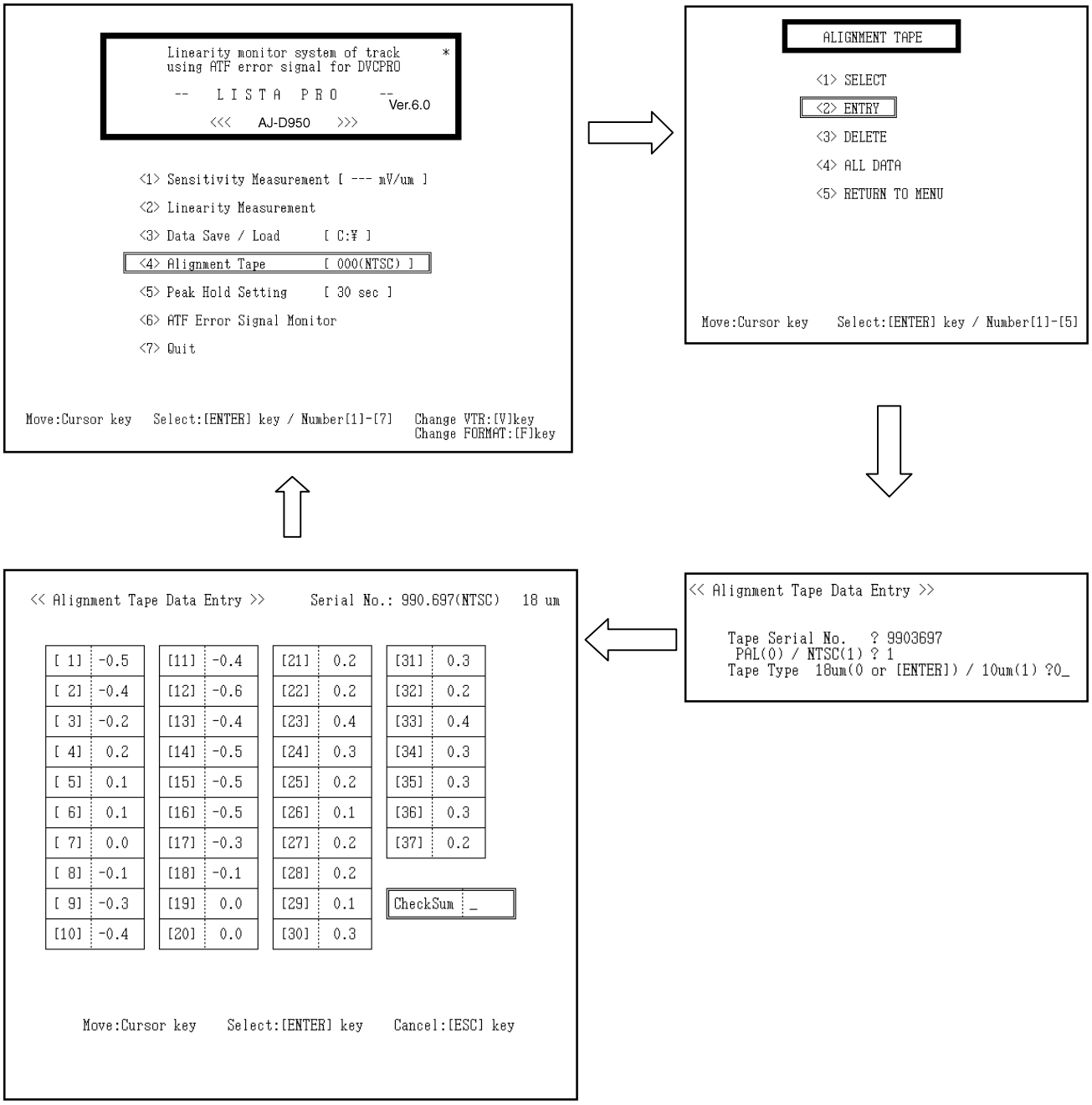


<< In case Alignment Tape data is not registered >>



3-31. How to Enter the Attachment Data of Alignment Tape

1. Select the item “<4> Alignment Tape” on the LISTA main menu.
2. Select the item “<2> ENTRY” on the “alignment Tape” menu.
3. After the screen of <<Alignment Tape Data Entry>>is displayed, first input the Serial Number of Alignment tape printed on the label. And input the number “0” or “1” to select the PAL/NTSC. Following the format select (PAL/NTSC), Select tape type (18μm/10μm/9μm).
4. After selecting the tape type, the frame for entering the DATA and CHECK SUM appears on the screen. Input the numerical value on the data sheet which are enclosed with alignment tape. If input the wrong number, the error message appears on the screen after the Check Sum calculation, then confirm the data on the sheet.
5. After the data entry, the Screen returns to “Lista Main” menu. Confirm the serial number of Alignment tape.



3-32. RP Head Sensitivity Adjustment and Sensitivity Detection (25M Mode)

SPEC.	Sensitivity 100±10 (mV/μm)	
TEST POINT	① ATF (R/P-L)	TP6701 RF (F8) (not TP5701 (PB-L ATF))
	② H SW (R/P-L)	TP233 SERVO (F7)
	③ GND	TG102 RF (F8)
VTR MODE	PLAYBACK	
ADJUSTMENT	SERVO Adjustment Menu: “A14 : RPL GAIN 25”	
TAPE	NTSC: VFM3581KM or VFM3581KL (PAL: VFM3681KM or VFM3681KL)	

Set the LISTA software in 25M Mode. 25M and 50M mode can be changed by “0” key.

1. Set the VTR in Service Mode to open the servo menu and select the item of “A14: RPL GAIN 25” in the “SERVO ADJUST” menu.
2. Playback a LISTA alignment tape (VFM3581KM or VFM3581KL).
3. Select the LISTA (6) ATF Error Signal Monitor so that the screen of <ATF Error Signal monitor> appears (refer to figure 3-32-2) Then press Enter to start the software.
4. When the picture is appeared as shown in figure 3-32-3, adjust ATF Gain (A14: RPL GAIN 25) so that the “Sens. Value:” is in the Specification. To return the main menu, press ESC key.
5. Select Lista Main Menu “(1) Sensitivity Measurement” so that the screen of <ATF Error Signal monitor> appears (refer to 3-32-2).
6. Playback a Lista alignment tape.
7. Press “Enter” to start the Sensitivity measurement.
8. Confirm that the sensitivity value is within the specification on the <Sensitivity Measurement Finish> screen. (refer to figure 3-32-4).
9. If it is out of specification, return to item 3.

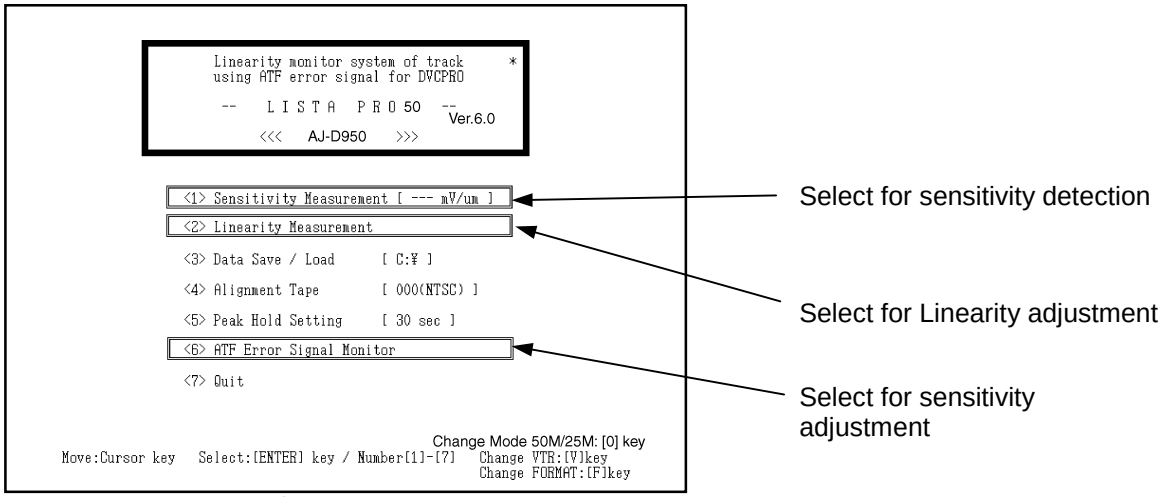


Figure 3-32-1

In case “ATF Error Signal Monitor” or “sensitivity Measurement” is selected.

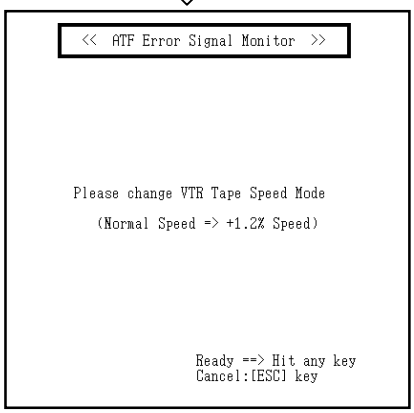


Figure 3-32-2

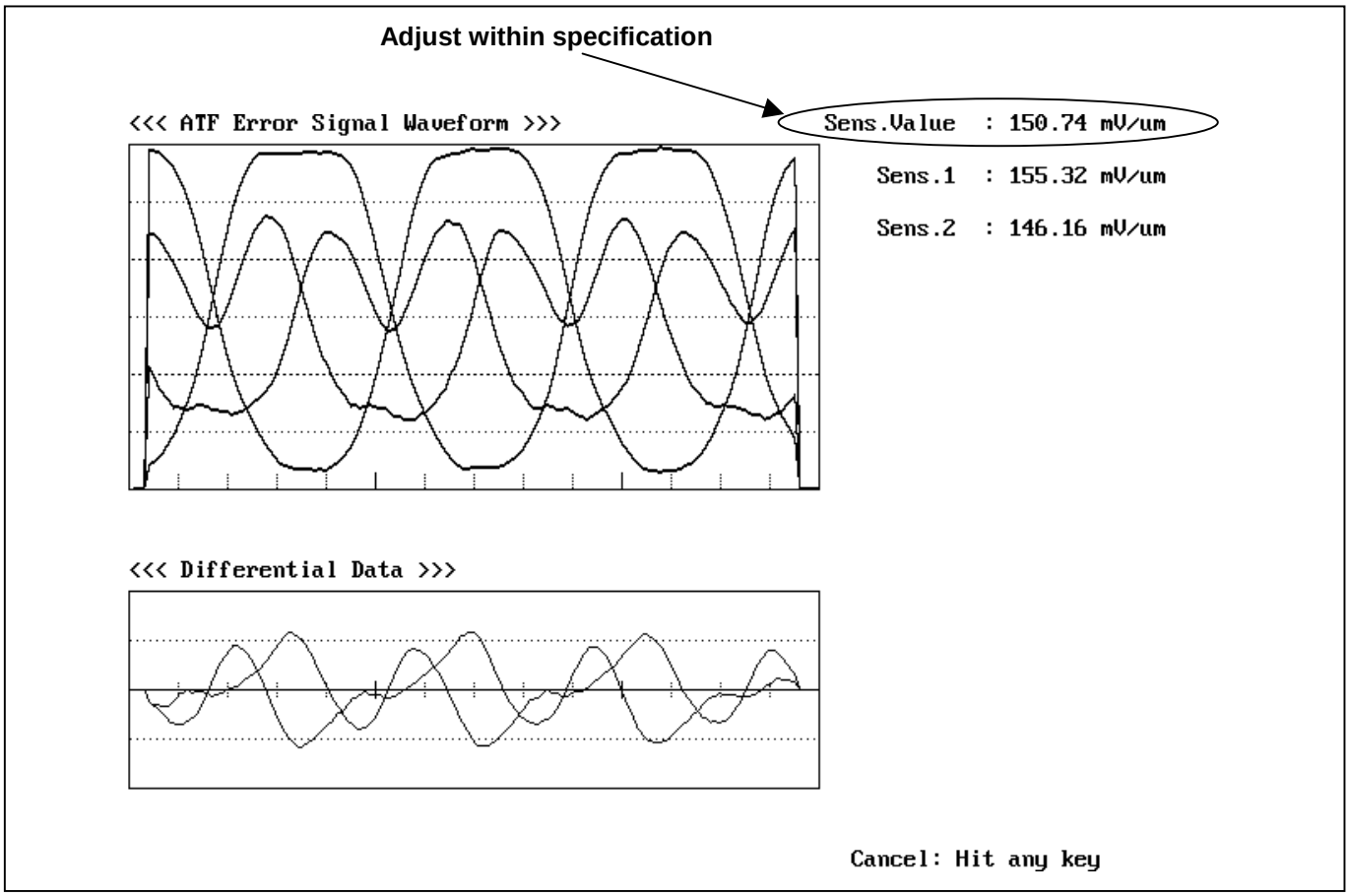


Figure 3-32-3

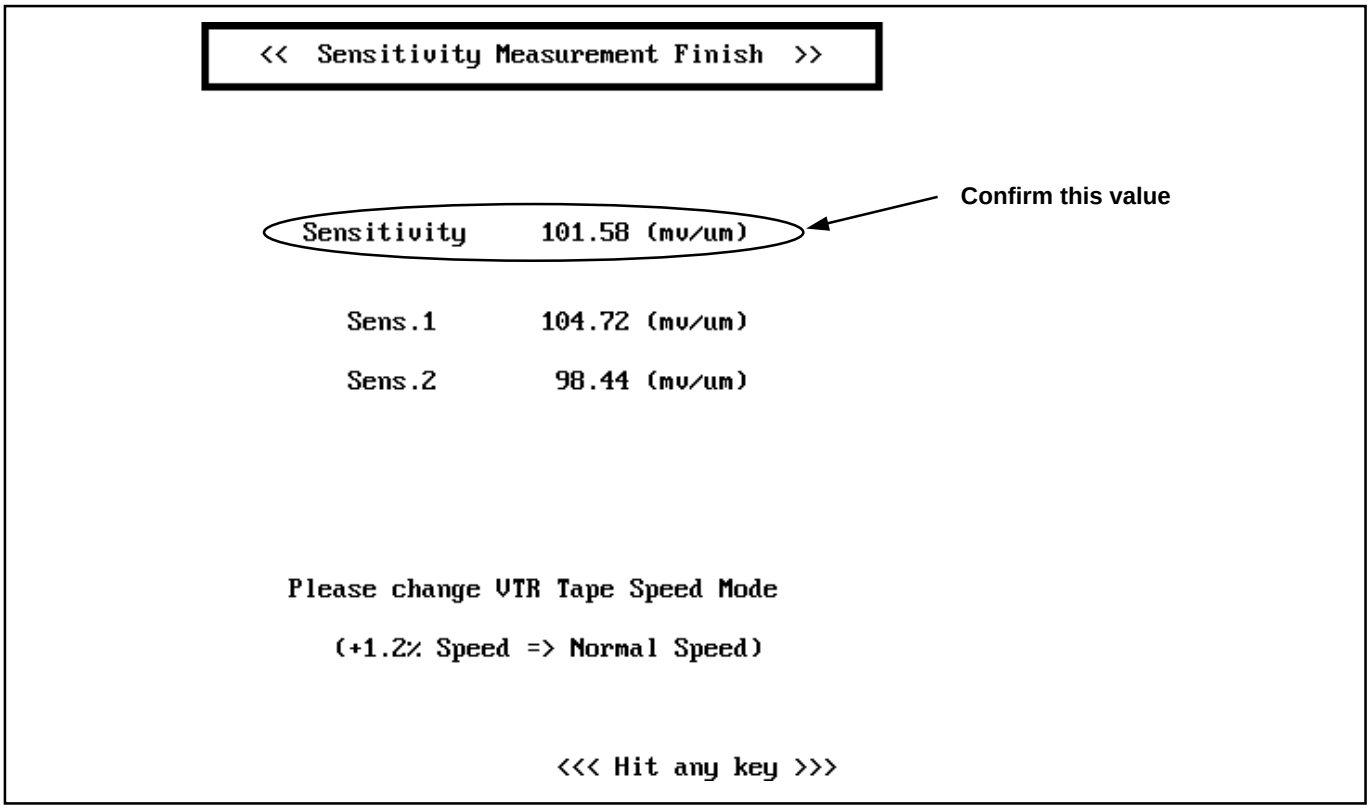


Figure 3-32-4

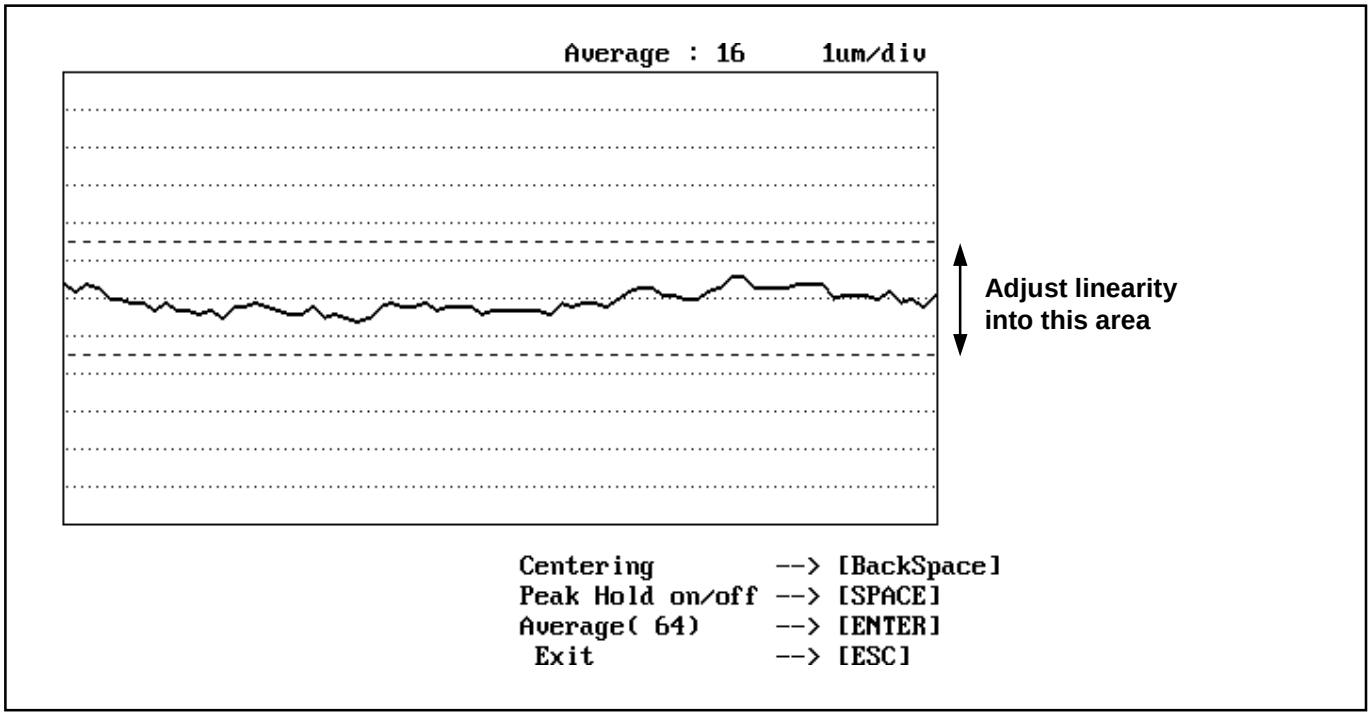
3-33. LISTA Linearity Adjustment and Waving Measurement (25M mode)

SPEC.	Linearity : less than 3μm, Waving : less than 1.5μm	
TEST POINT	① ATF (R/P-L)	TP6701 RF (F8) (not TP5701 (PB-L ATF))
	② H SW (R/P-L)	TP233 SERVO (F7)
	③ GND	TG102 RF (F8)
VTR MODE	PLAYBACK	
ADJ. MODE	SERVO ADJUSTMENT MENU: “A15: RPL LIN25”	
ADJUST	S1 and T1 Post Height	
TOOL	VFK1149 or VFK1149A (Post Driver)	
TAPE	NTSC: VFM3581KM or VFM3581KL(LISTA) (PAL: VFM3681KM or VFM3681KL(LISTA))	

Linearity Adjustment Procedures

1. Connect the each clips of LISTA cable to test points.
2. Set the Lista software in 25M mode. 25M and 50M mode can be changed by “0” key.
3. Set the VTR in Service Mode to open the servo menu and select the item of “A15: RPL LIN 25”.
4. Playback the LISTA Alignment Tape.
5. Select the item “<2> Linearity Measurement” on the LISTA main menu, and then linearity waveform appears on the screen.
6. When the waveform as shown below is displayed on the screen, press the “BS (Back Space)” key to move the waveform at the center of the scale on screen. Adjust S1 and T1 post height by using the post driver so that the linearity waveform becomes as flat as possible, and it should be within the specification.

♦ Adjust linearity, to have waveform in between the red dot lines on the screen.

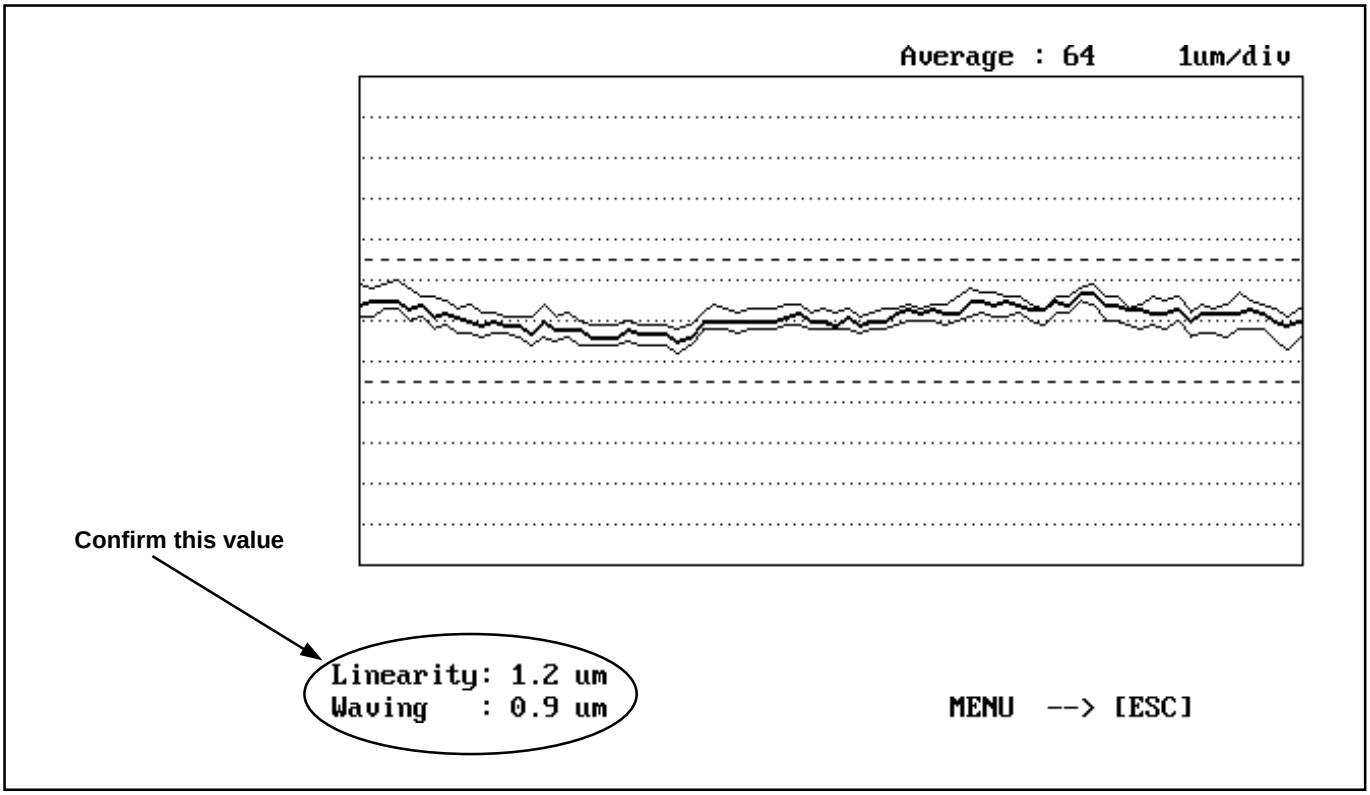


POINT :
The part of left side of waveform (entrance side) is adjusted by height of S1 post and the part of right side of waveform (exit side) is adjusted by height of T1 post.
Lower part of above waveform of figure displays lead of Cylinder.
When the post driver is removed from upper part of post, linearity waveform may be changed.
After finishing this adjustment, eject the tape and insert the tape again to confirm the shape of linearity waveform isn’t changed.

7. After finishing the Linearity Adjustment, measure the numerical value of linearity and waving.

Waving Measurement Procedures

1. Press “SPACE” key to perform the Peak Hold in 30 seconds when linearity is displayed.
2. After finishing the Peak Hold, press “SHIFT” and “ } ” key simultaneously on the Key Board, then the numerical values of “Linearity” and “Waving” is displayed on left lower portion of screen. And confirm the numerical values are in the specification. Also confirm the waving is same level from entrance side to exit side. If the “Linearity” and “Waving” are out of specification and also it caused by insufficient limit of entrance or exit side of envelope, adjust height of S1 and T1 post.
3. After this measurement is finished, press the ESC key to return to the main menu.



Information : How to save the LISTA Data
Linearity waveform data, measurement value and waving value can be saved as one file data to PC.

1. Basically this operation should be performed after linearity and waving measurement is finished.
2. Select the item “<3> Data Save/Load” on the LISTA main menu, and select the item “<1> Save”.
3. The linearity waveform as Peak Hold is displayed on the screen, and message “File Name?” appears on the screen. Then enter the File Name less than 8 letters. Nextly enter the Serial No. and press enter, then message “Comment?” appears on the screen, then enter the Comment less than 20 letters. As comment, enter the Model Number, Head Rotation Hours etc to use them for management of each VTR’s linearity data.
4. After completion of saving, select the item “<2> Load” of the item “<3> Data Save/Load”, then the saved File Name appears on the screen. And select previously saved file to confirm the waveform and numerical value is displayed correctly. By pressing “SHIFT” and “ } ” key simultaneously on the Key Board, the numerical values of “Linearity” and “Waving” is displayed on left lower portion of screen.

3-34. PB Head LISTA Sensitivity Adjustment and Sensitivity Detection (25M Mode)

SPEC.	Sensitivity 100±10 (mV/μm)	
MODE	SERVO Adjustment Menu “A17 : PBL GAIN 25”	
TEST POINT	① ATF (PB-L)	TP5701 RF (F8) (not TP6701 (R/P-L ATF))
	② H SW (PB-L)	TP232 SERVO (F7)
	③ GND	TG102
ADJUSTMENT	SERVO Adjustment Menu: “A17 : PBL GAIN 25”	
TAPE	NTSC: VFM3581KM or VFM3581KL(LISTA) (PAL: VFM3681KM or VFM3681KL(LISTA))	

1. Open the Service Menu and select “A17: PBL GAIN 25” in the “SERVO ADJUST” menu. Set the Lista software in 25M mode. 25M and 50M mode can be changed by “0” key.
2. Playback a LISTA alignment tape (VFM3581KM or VFM3581KL).
3. Select the LISTA Main Menu “(6) ATF Error Signal Monitor” so that the screen of <ATF Error Signal monitor> appears. Then press Enter to start the software.
4. When the picture is appeared as shown in figure 3-34-3, adjust ATF Gain (A17: PBL GAIN 25) so that the “Sens. Value:” is in the Specification.
5. After finishing the Adjustment, press ESC key to return the main menu.
6. Select the Lista Main Menu “(1) Sensitivity Measurement” so that the screen of <ATF Error Signal monitor> appears (refer to 3-34-2).
7. Playback a Lista alignment tape and press “ENTER” to start the Sensitivity measurement.
8. Confirm that the sensitivity value is within the specification. (refer to figure 3-34-3).
9. If it is out of specification, return to item 3.

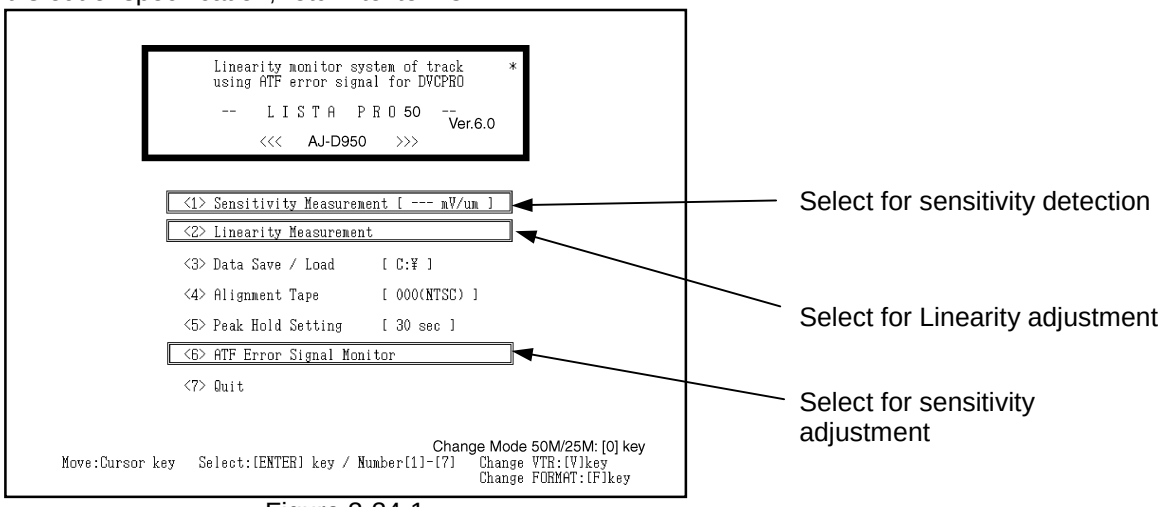


Figure 3-34-1

In case “ATF Error Signal Monitor” or “sensitivity Measurement” is selected.

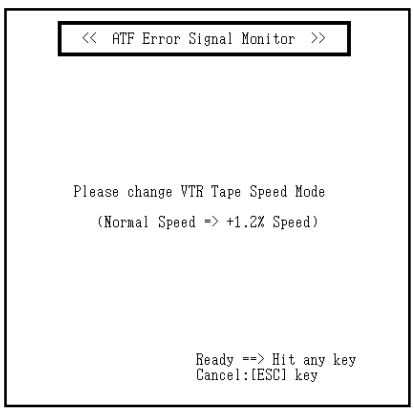


Figure 3-34-2

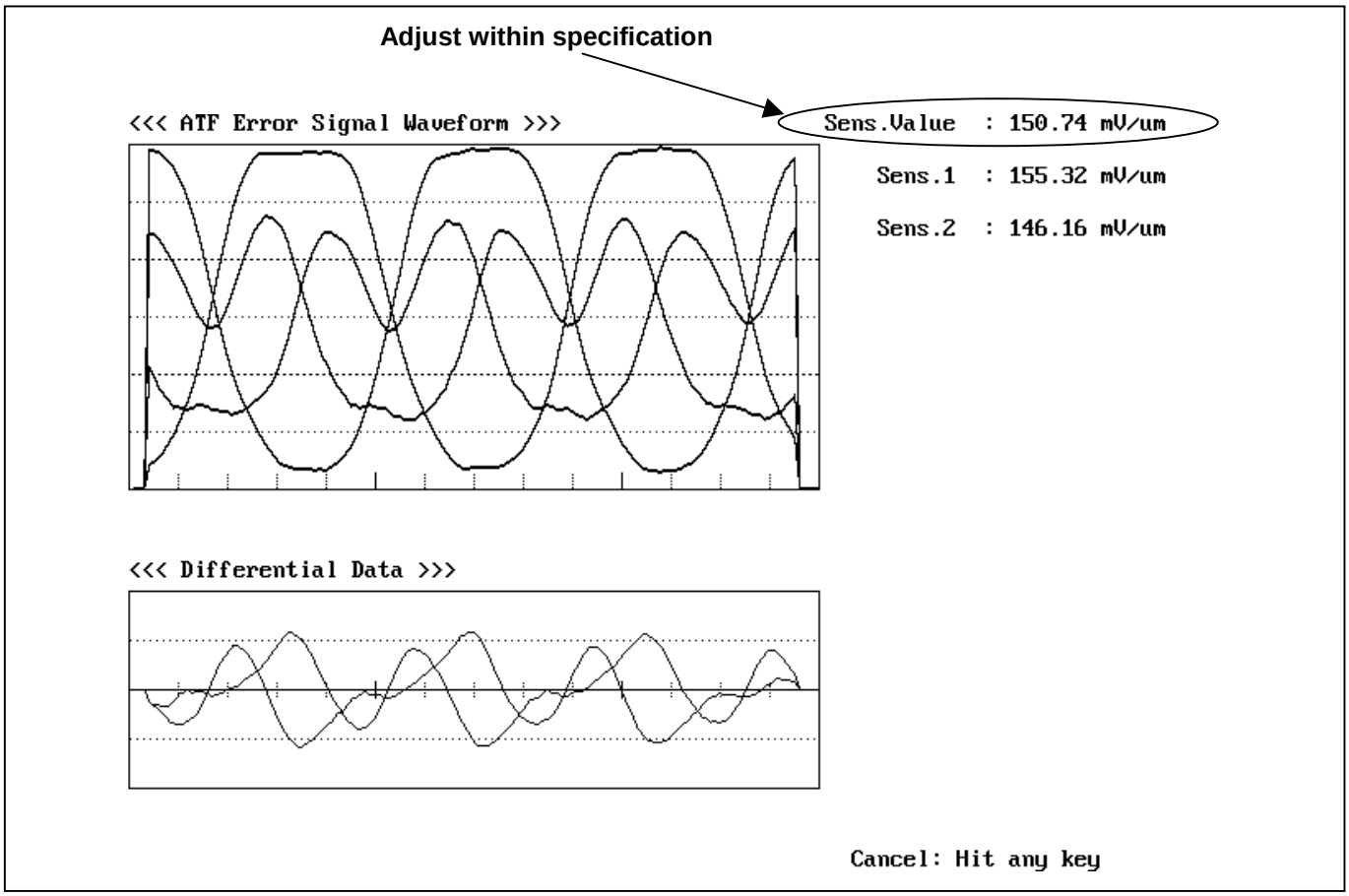


Figure 3-34-3

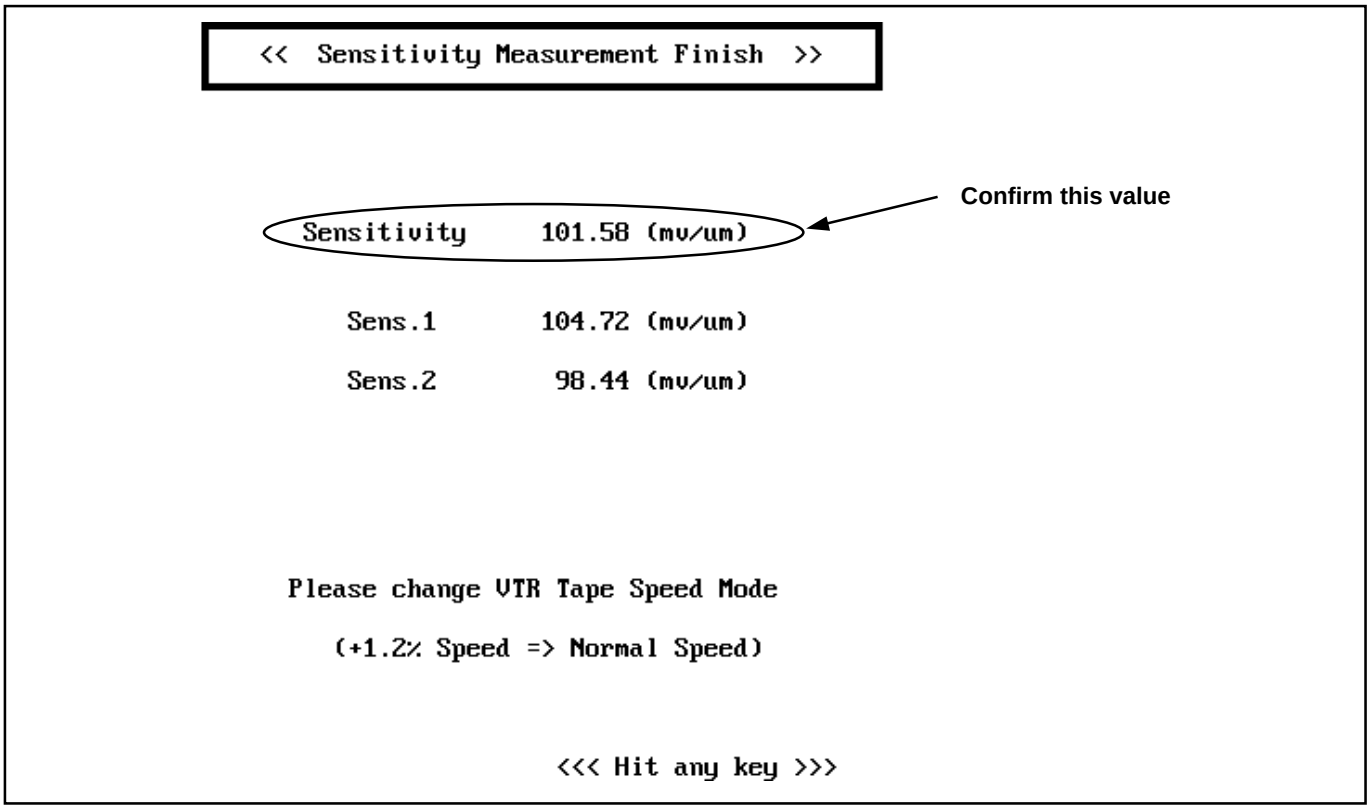


Figure 3-34-4

3-35. RP Head Sensitivity Adjustment and Sensitivity Detection (50M Mode)

SPEC.	Sensitivity 100±10 (mV/μm)	
TEST POINT	① ATF (R/P-L)	TP6701 RF (F8) (not TP5701 (PB-L ATF))
	② H SW (R/P-L)	TP233 SERVO (F7)
	③ GND	TG102 RF (F8)
VTR MODE	PLAYBACK	
ADJUSTMENT	SERVO Adjustment Menu: “A12: RPL GAIN 50”	
TAPE	NTSC: VFM3581KM or VFM3581KL(LISTA) (PAL: VFM3681KM or VFM3681KL(LISTA))	

Set the LISTA software in 50M Mode. 25M and 50M mode can be changed “0” key.

1. Set the VTR in Service Mode to open the servo menu and select the item of “A12: RPL GAIN 50” in the “SERVO ADJUST” menu.
2. Playback a LISTA alignment tape (VFM3581KM or VFM3581KL).
3. Select the LISTA (6) ATF Error Signal Monitor so that the screen of <ATF Error Signal monitor> appears. Then press Enter to start the software.
4. When the picture is appeared as shown in figure 3-35-1, adjust ATF Gain (A12: RPL GAIN 50) so that the “Sens. Value:” is in the Specification. To return the main menu, press ESC key.
5. Select Lista Main Menu “(1) Sensitivity Measurement” so that the screen of <ATF Error Signal monitor> appears.
6. Playback a Lista alignment tape.
7. Press “Enter” to start the Sensitivity measurement.
8. Confirm that the sensitivity value is within the specification on the <Sensitivity Measurement Finish> screen. (refer to figure 3-35-2).
9. If it is out of specification, return to item 3.

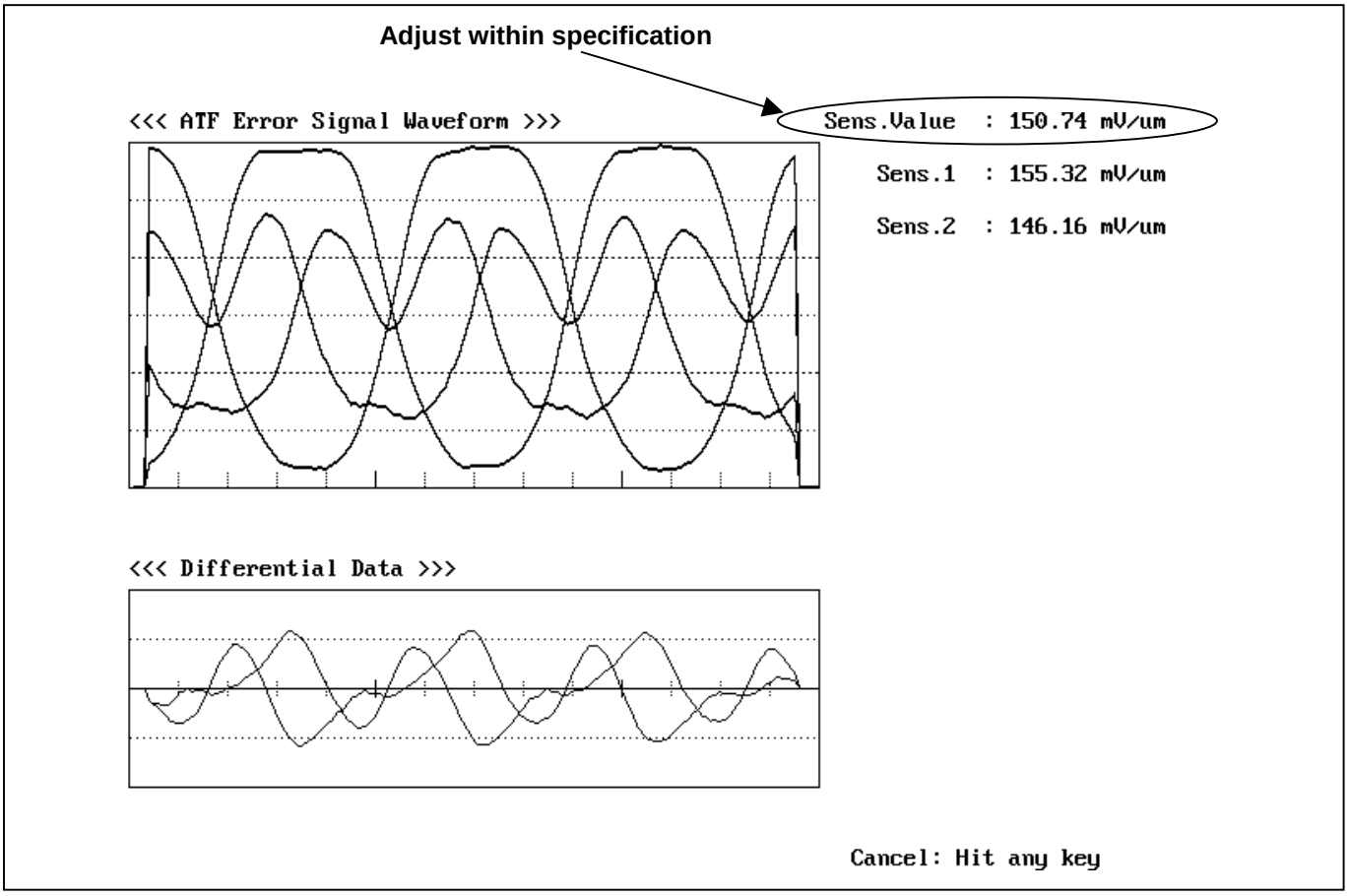


Figure 3-35-1

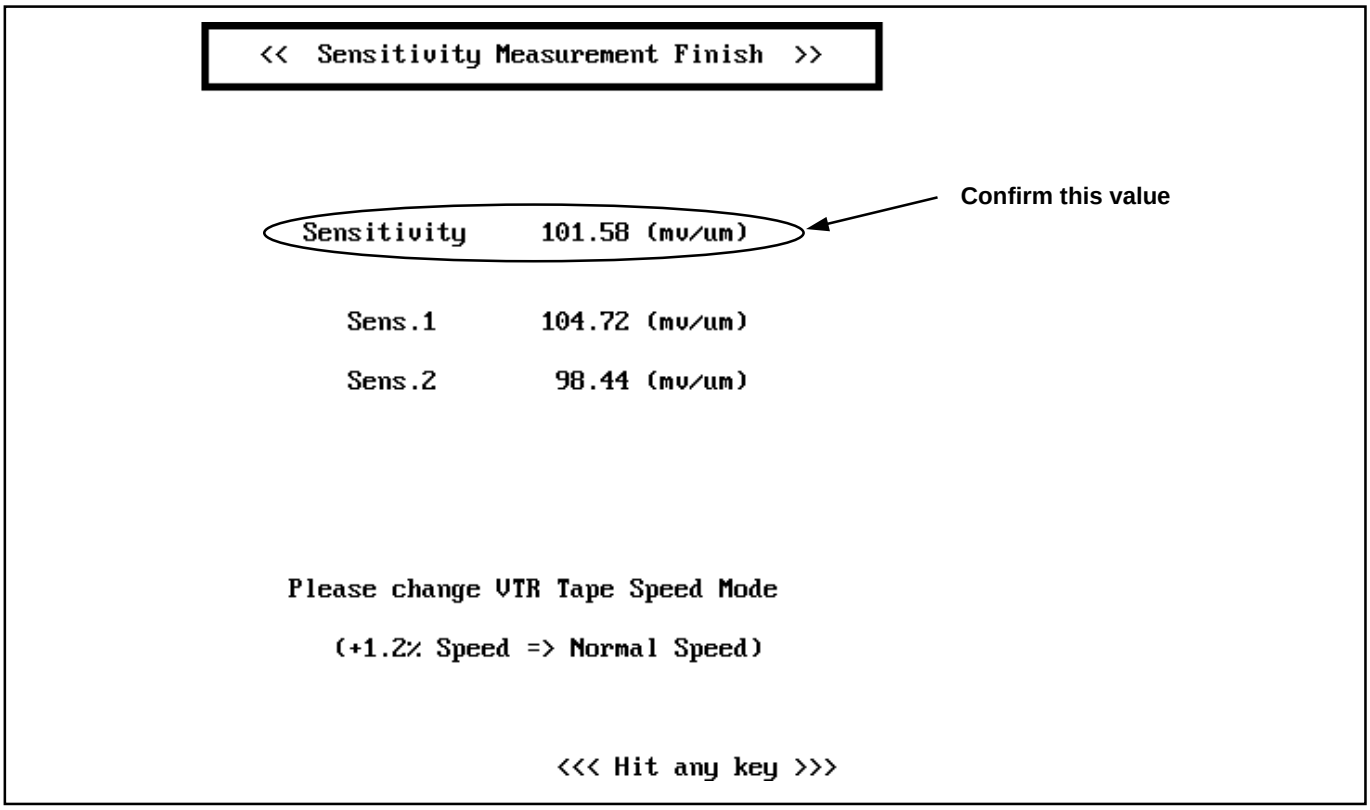

<< Sensitivity Measurement Finish >>
Confirm this value
Sensitivity 101.58 (mv/um)
Sens.1 104.72 (mv/um)
Sens.2 98.44 (mv/um)
Please change VTR Tape Speed Mode
(+1.2% Speed => Normal Speed)
<<< Hit any key >>>

Figure 3-35-2

3-36. LISTA Linearity Adjustment and Waving Measurement (50M mode)

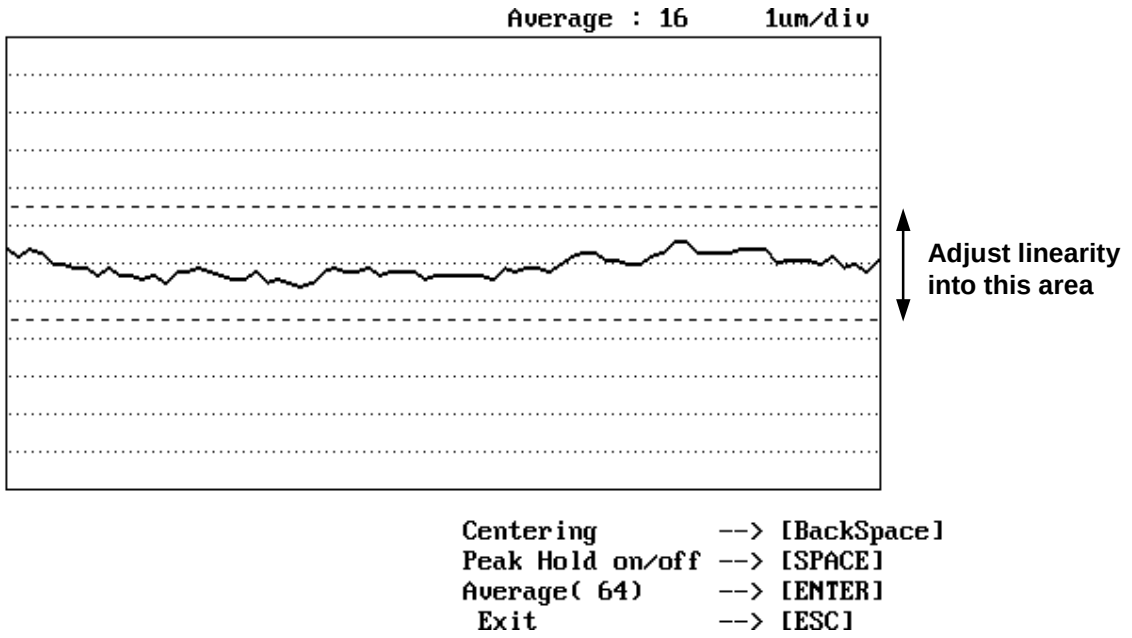
SPEC.	Linearity : less than 3μm, Waving : less than 1.5μm	
TEST POINT	① ATF (R/P-L)	TP6701 RF (F8) (not TP5701 (PB-L ATF))
	② H SW (R/P-L)	TP233 SERVO (F7)
	③ GND	TG102 RF (F8)
VTR MODE	PLAYBACK	
ADJ. MODE	SERVO ADJUSTMENT MENU: “A13: RPL LIN 50”	
ADJUST	S1 and T1 Post Height	
TOOL	VFK1149 or VFK1149A (Post Driver)	
TAPE	NTSC: VFM3581KM or VFM3581KL(LISTA) (PAL: VFM3681KM or VFM3681KL(LISTA))	

Linearity Adjustment Procedures

1. Connect the each clips of LISTA cable to test points.
2. Set the Lista software in 50M mode. 25M and 50M mode can be changed by “0” key.
3. Set the VTR in Servo menu and select the item of “A13: RPL LIN 50”.
4. Playback the LISTA Alignment Tape.
5. Select the item “<2> Linearity Measurement” on the LISTA main menu, and then linearity waveform appears on the screen.
6. When the waveform as shown below is displayed on the screen, press the “BS (Back Space)” key to move the waveform at the center of the scale on screen. Adjust S1 and T1 post height by using the post driver so that the linearity waveform becomes as flat as possible, and it should be within the specification.

♦ Adjust linearity, to have waveform in between the red dot lines on the screen.

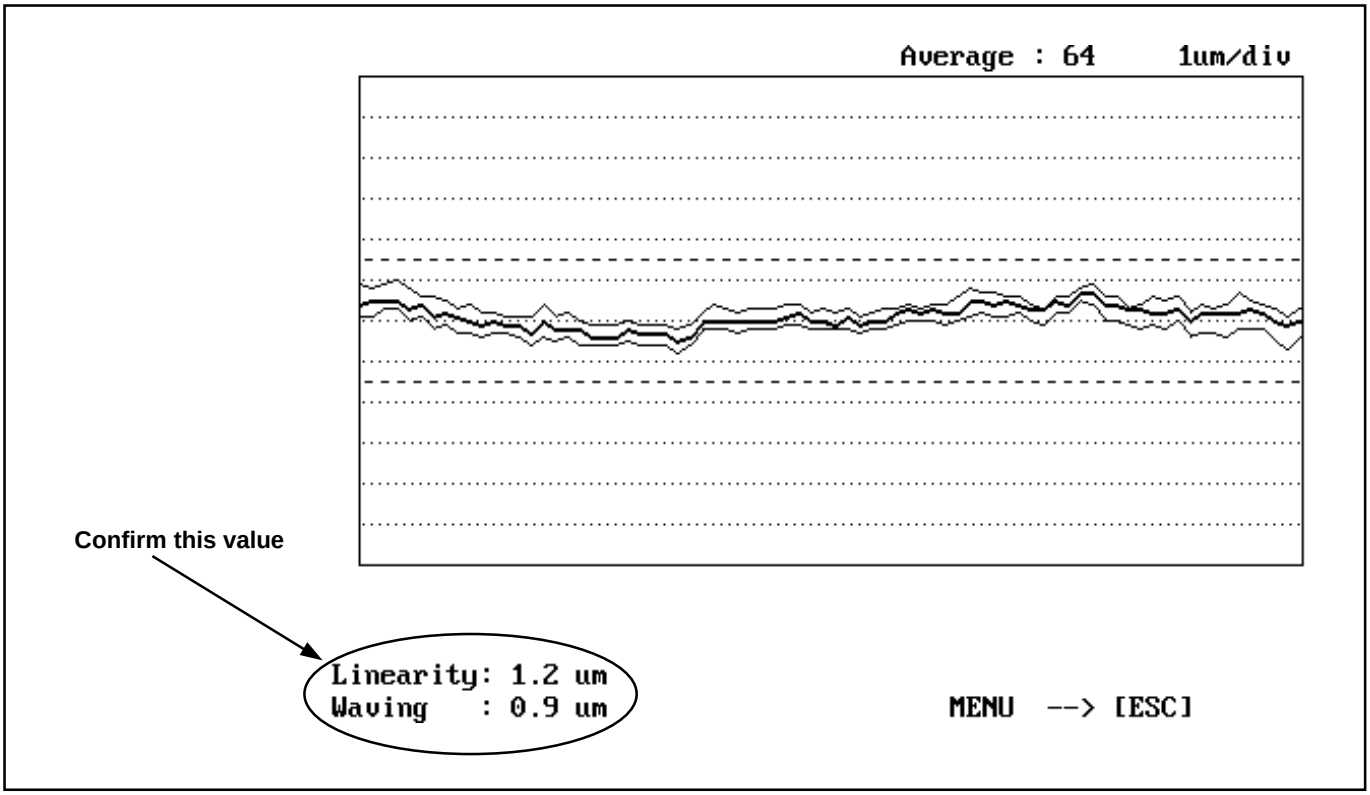
7. After finishing the Linearity Adjustment, measure the numerical value of linearity and waving.



POINT :
The part of left side of waveform (entrance side) is adjusted by height of S1 post and the part of right side of waveform (exit side) is adjusted by height of T1 post.
Lower part of above waveform of figure displays lead of Cylinder.
When the post driver is removed from upper part of post, linearity waveform may be changed.
After finishing this adjustment, eject the tape and insert the tape again to confirm the shape of linearity waveform isn’t changed.

Waving Measurement Procedures

1. Press “SPACE” key to perform the Peak Hold in 30 seconds when linearity is displayed.
2. After finishing the Peak Hold, press “SHIFT” and “ } ” key simultaneously on the Key Board, then the numerical values of “Linearity” and “Waving” is displayed on left lower portion of screen. And confirm the numerical values are in the specification. Also confirm the waving is same level from entrance side to exit side. If the “Linearity” and “Waving” are out of specification and also it caused by insufficient limit of entrance or exit side of envelope, adjust height of S1 and T1 post.
3. After this measurement is finished, press the ESC key to return to the main menu.



Information : How to save the LISTA Data
Linearity waveform data, measurement value and waving value can be saved as one file data to PC.

1. Basically this operation should be performed after linearity and waving measurement is finished.
2. Select the item “<3> Data Save/Load” on the LISTA main menu, and select the item “<1> Save”.
3. The linearity waveform as Peak Hold is displayed on the screen, and message “File Name?” appears on the screen. Then enter the File Name less than 8 letters. Nextly enter the Serial No. and press enter, then message “Comment?” appears on the screen, then enter the Comment less than 20 letters. As comment, enter the Model Number, Head Rotation Hours etc to use them for management of each VTR’s linearity data.
4. After completion of saving, select the item “<2> Load” of the item “<3> Data Save/Load”, then the saved File Name appears on the screen. And select previously saved file to confirm the waveform and numerical value is displayed correctly. By pressing “SHIFT” and “ } ” key simultaneously on the Key Board, the numerical values of “Linearity” and “Waving” is displayed on left lower portion of screen.

3-37. PB Head LISTA Sensitivity Adjustment and Sensitivity Detection (50M Mode)

SPEC.	Sensitivity 100±10 (mV/μm)	
MODE	SERVO Adjustment Menu “A17 : PBL GAIN 25”	
TEST POINT	① ATF (PB-L)	TP5701 RF (F8) (not TP6701 (R/P-L ATF))
	② H SW (PB-L)	TP232 SERVO (F7)
	③ GND	TG102
ADJUSTMENT	SERVO Adjustment Menu: “A16 : PBL GAIN 50”	
TAPE	NTSC: VFM3581KM or VFM3581KL(LISTA) (PAL: VFM3681KM or VFM3681KL(LISTA))	

1. Open the Service Menu and select “A16: PBL GAIN 50” in the “SERVO ADJUST” menu. Set the Lista software in 50M mode.
2. Playback a LISTA alignment tape (VFM3581KM or VFM3581KL).
3. Select the LISTA Main Menu “(6) ATF Error Signal Monitor” so that the screen of <ATF Error Signal monitor> appears. Then press Enter to start the software.
4. When the picture is appeared as shown in figure 3-37-1, adjust ATF Gain (A16: PBL GAIN 50) so that the “Sens. Value:” is in the Specification.
5. After finishing the Adjustment, press ESC key to return the main menu.
6. Select the Lista Main Menu “(1) Sensitivity Measurement” so that the screen of <ATF Error Signal monitor> appears.
7. Playback a Lista alignment tape and press “ENTER” to start the Sensitivity measurement.
8. Confirm that the sensitivity value is within the specification. (refer to figure 3-37-2).
9. If it is out of specification, return to item 3.

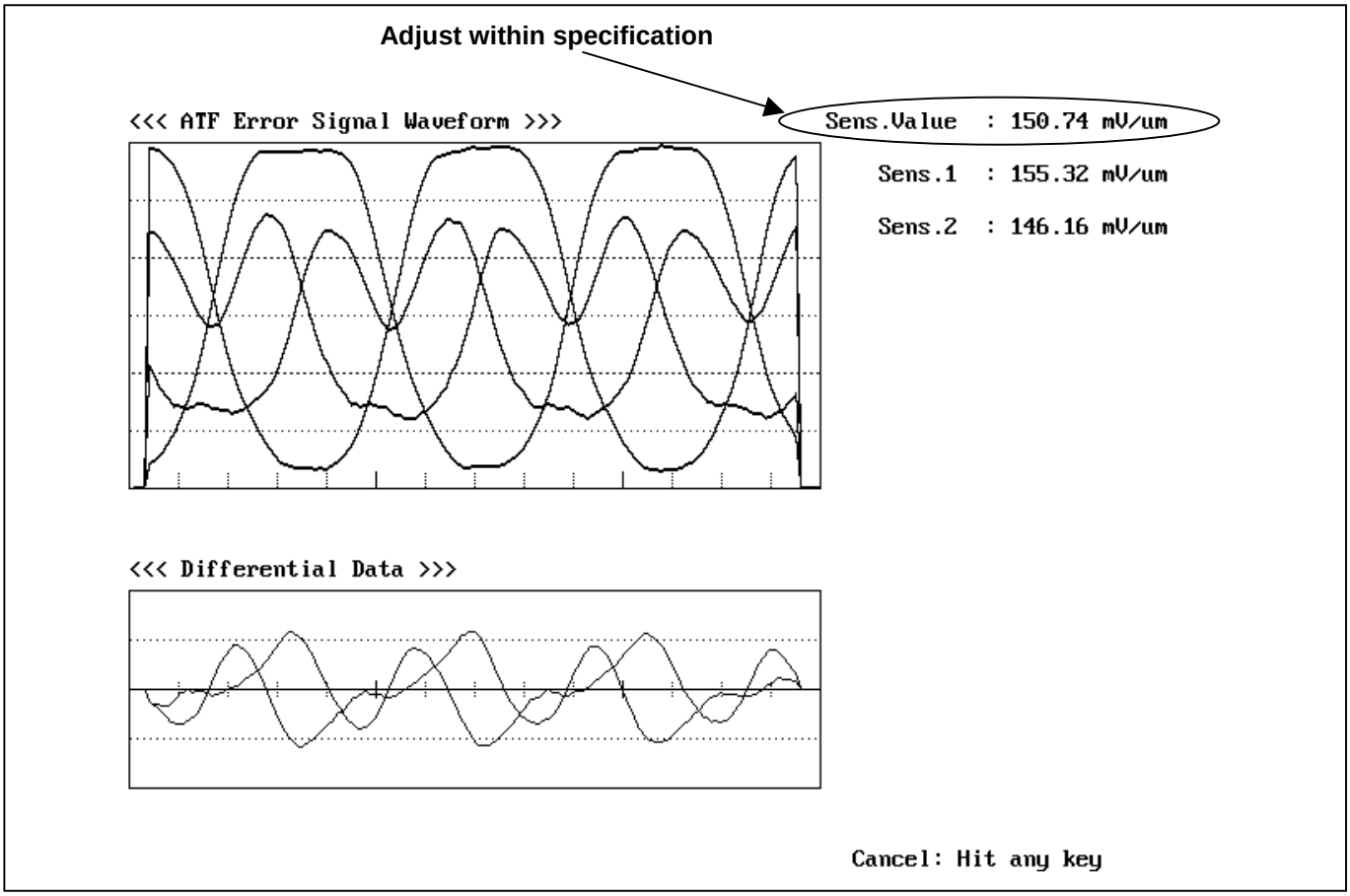


Figure 3-37-1

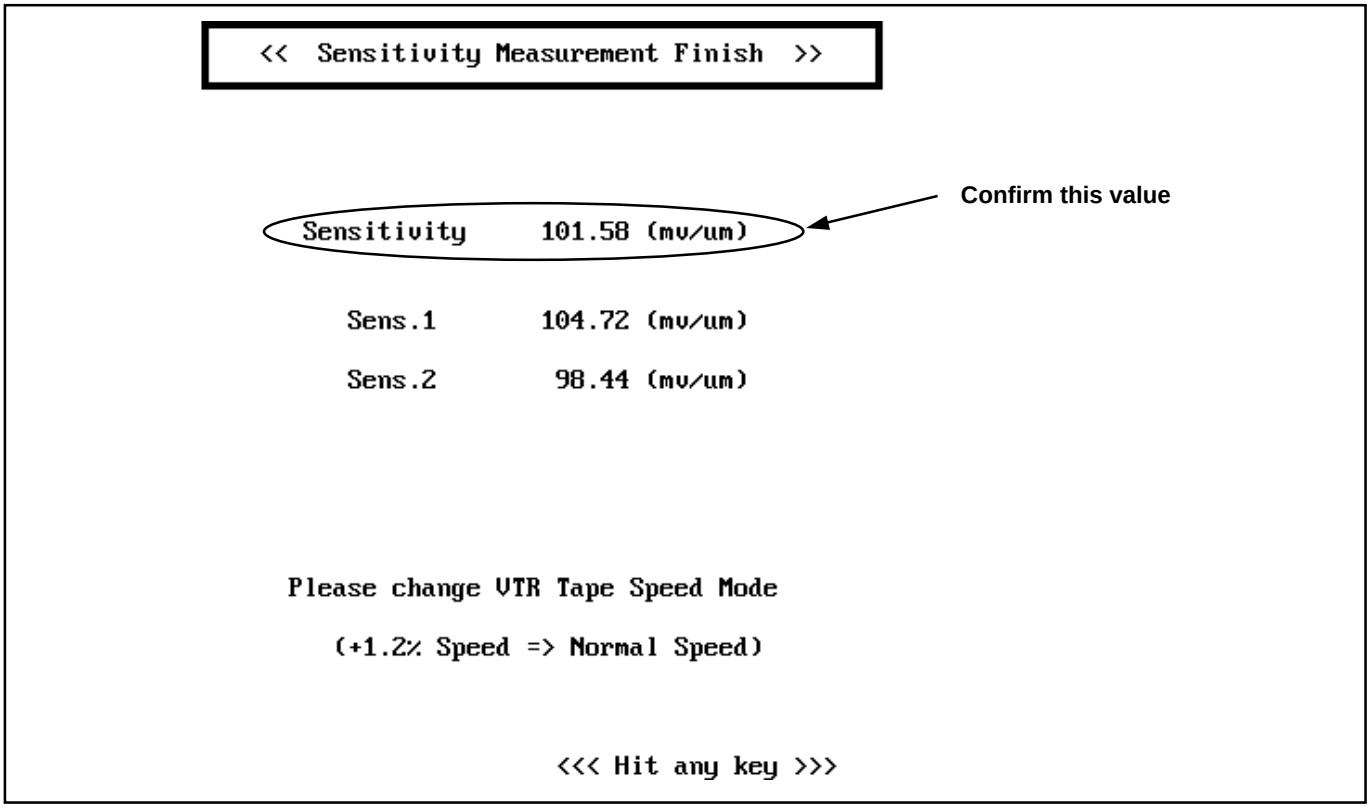

<< Sensitivity Measurement Finish >>
Confirm this value
Sensitivity 101.58 (mv/um)
Sens.1 104.72 (mv/um)
Sens.2 98.44 (mv/um)
Please change VTR Tape Speed Mode
(+1.2% Speed => Normal Speed)
<<< Hit any key >>>

Figure 3-37-2

3-38. RP HEAD (for DV) Lista Sensitivity Adjustment

SPEC.	Sensitivity: 130±30 (mV/μm)	
VTR MODE	PLAYBACK	
TEST POINT	① ATF (R/P-R)	TP6801 RF (F8)
	② H SW (R/P-R)	TP6802 RF (F8)
	③ GND	TG102 RF (F8)
ADJUSTMENT	SERVO Adjustment Menu: “A18: RPR GAIN DV”	
TAPE	VFM3000EDS	

1. Set the LISTA software in 25M Mode. 25M and 50M mode can be changed by “0” key on the key board.
2. Select the item “A18: RPR GAIN DV” in the “SERVO ADJUST” menu.
3. Playback a DV LISTA alignment tape (VFM3000EDS).
4. Select the LISTA (6) ATF Error Signal Monitor so that the screen of <ATF Error Signal monitor> appears. (refer to figure 3-38-2) Then press Enter to start the software.

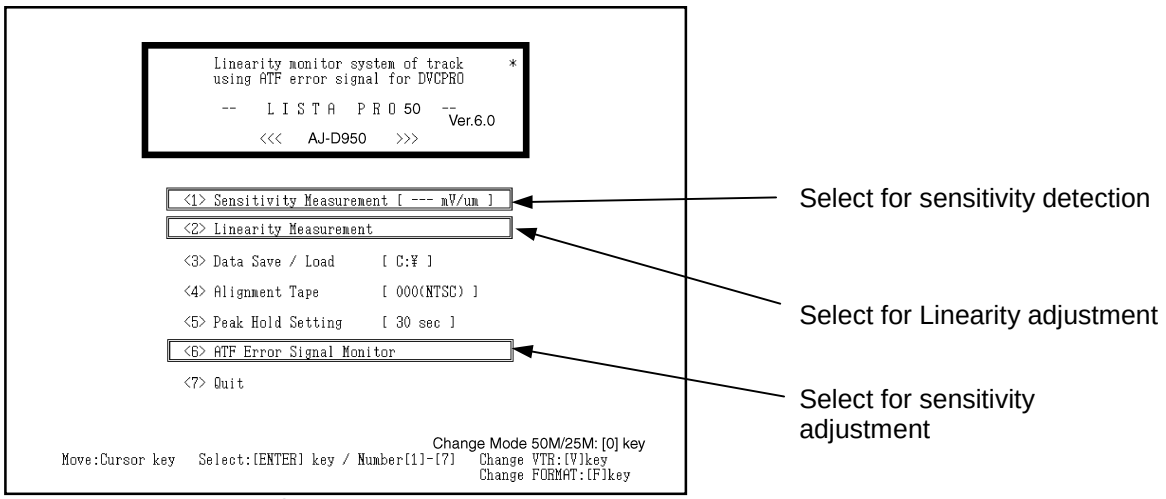


Figure 3-38-1

In case “ATF Error Signal Monitor”
or “sensitivity Measurement” is selected.

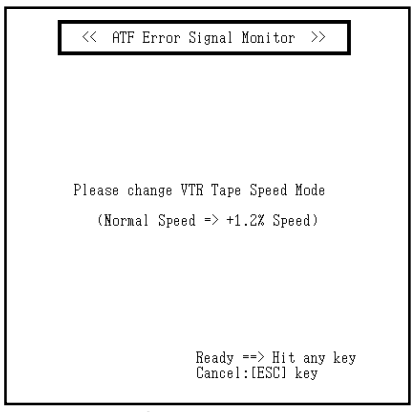


Figure 3-38-2

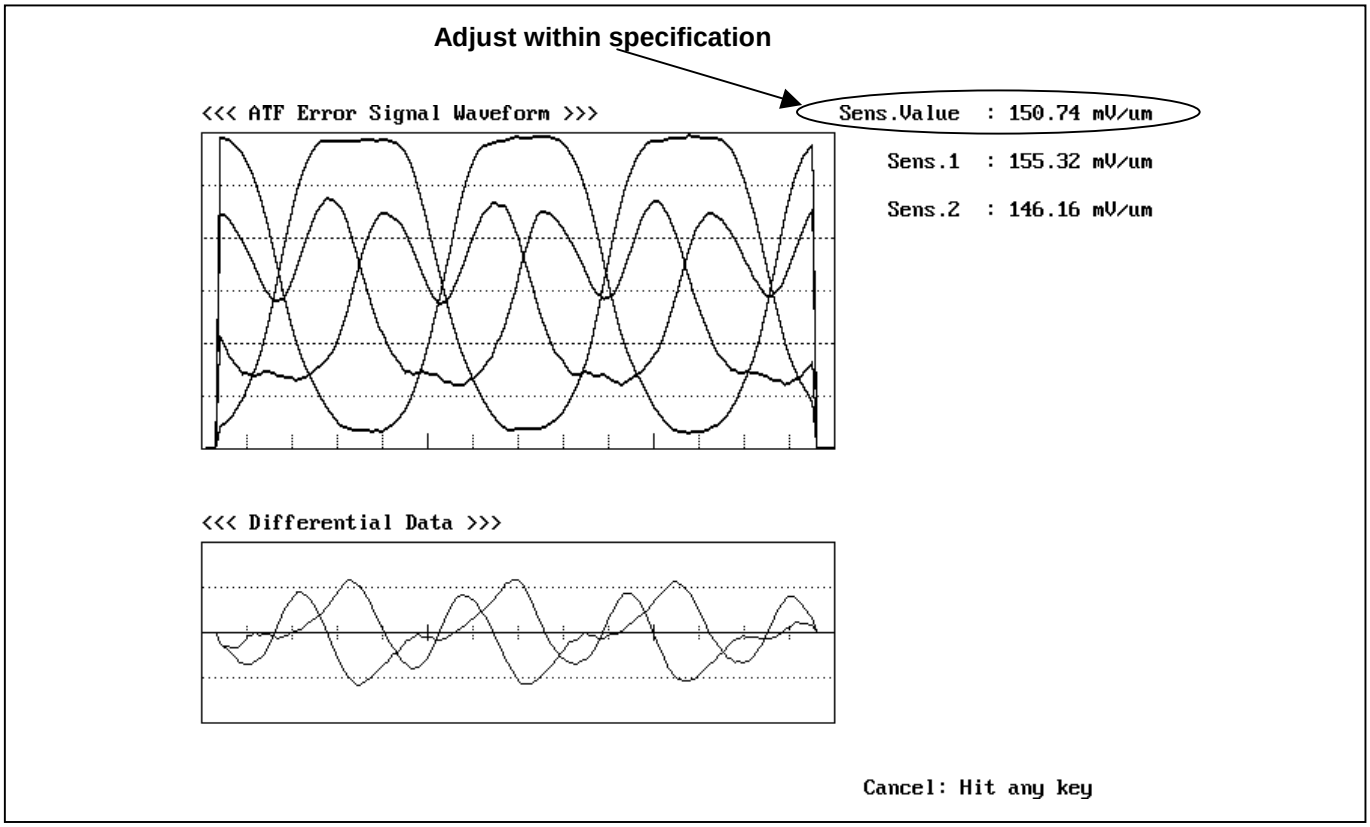


Figure 3-38-3

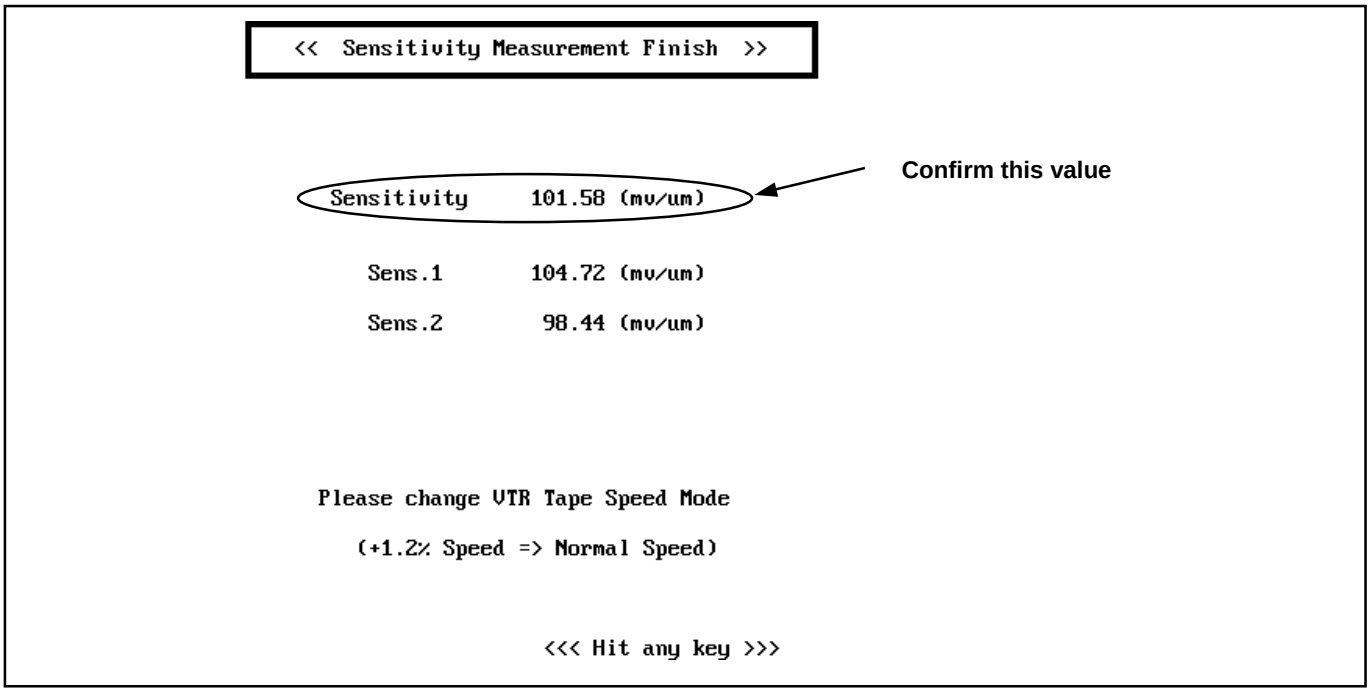


Figure 3-38-4

5. When the picture is appeared as shown in figure 3-38-3, adjust ATF Gain (A18: RPR GAIN DV) so that the "Sens. Value:" meets the specification.
6. After finishing the adjustment, press ESC key to return the Main Menu.
7. Select the Lista Main Menu "(1) Sensitivity Measurement" so that the screen of <ATF Error Signal monitor> appears (refer to 3-38-2).
8. Playback a DV Lista alignment tape and press "Enter" to start the Sensitivity measurement.
9. Confirm that the sensitivity value is within the specification (refer to figure 3-38-4).
10. If it is out of specification, return to item 3.

3-39. Self-REC/PLAY Envelope Waveform Confirmation

SPEC.	All of the head output are within the specification as shown below. Confirm in the 50M mode. · When using the M Cassette (66 min.) or L Cassette (126 min.) V1/Vmax, V3/Vmax ≥ 0.7 V2/Vmax ≥ 0.8 · When using the Long Time L Cassette (thin tape) V1/Vmax, V2/Vmax, V3/Vmax ≥ 0.7 V4/Vmax ≥ 0.5
TEST POINT	R/P – L – ENV RF (F8) : TP6301 EQ0 RF TRIGGER: R/P-L-HSW TP233: SERVO (F7) R/P – R – ENV RF (F8) : TP6501 EQ1 RF PB – L – ENV RF (F8) : TP5301 EQ2 RF PB – R – ENV RF (F8) : TP5501 EQ3 RF
M. EQ.	Oscilloscope
TAPE	• M Cassette (66 min.) or L Cassette (126 min.) • Long time L Cassette (AJ-5P92LP)

<Normal Tape : M Cassette (66 min.) or L Cassette (126 min.)>

1. Input the color bar signal to VTR and record it.
2. Playback the just recorded portion, and confirm the envelope output is within the specification. (refer to Figure 3-39-1)

<Long time L Cassette (this tape) : AJ-5P92LP>

3. Input the color bar signal to VTR and record it.
4. Playback the just recorded portion and confirm the envelope output is within the specification. (refer to figure 3-39-2).

5. If it is out of specification, perform the "ENV Waveform Adjustment" and "LISTA Adjustment" again.

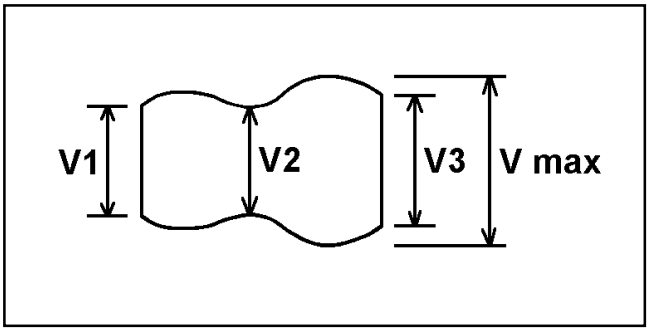


Figure 3-39-1 Envelope Waveform

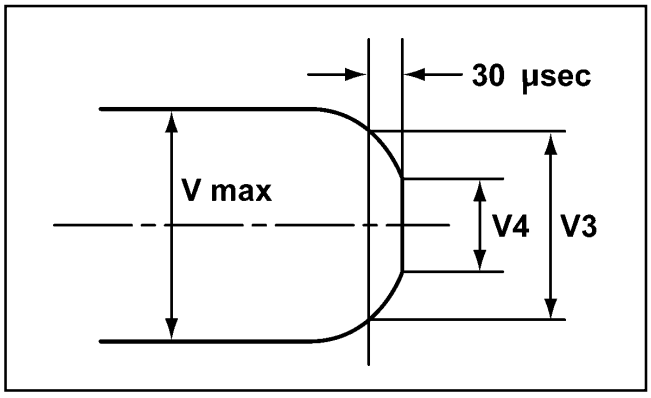


Figure 3-39-2 Exit side of Envelope Waveform (For Long play cassette)

4. NO TAPE LOADING METHOD

[Procedure]

Selected Menu (on Service Menu)	Selected Item	Loading Procedure	Unloading Procedure
SERVO ADJUST	A09: TENSION	Rotate JOG Dial clockwise pressing SEARCH button.	Rotate JOG Dial counterclockwise pressing SEARCH button.

5. MAJOR MECHANICAL PARTS REPLACEMENT & ADJUSTMENT PROCEDURES

When mechanical parts are replaced, pay attention to the following notes.

1. Always turn power off before replacing any parts.
2. If any adjustment is required after replacing parts, perform the required adjustment.
3. Use proper tools and fixtures.
4. Be sure to clean the parts after replacement, and also to replace the mechanical parts, follow the replacement procedure.

5-1. Cylinder Unit Replacement

(Removal)

1. Remove the T1 Guide and Cleaning Arm Unit. (Please refer to item “5-2. Cleaning Arm Unit Replacement”)

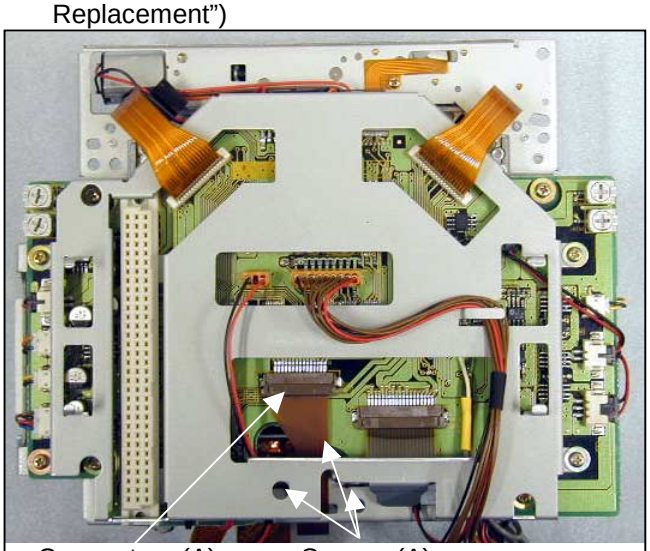


Figure 5-1-1

2. Unscrew the screw (B) which fix the cable (B) as shown in Figure 5-1-2.
3. Remove the flexible cable which is connected to P33 on the MECH I/F as shown in 5-1-1.
4. Unscrew the 3 screws which has spring from the Cylinder Unit as shown as Figure 5-1-1, then remove the Cylinder Unit without touching any mechanical parts.

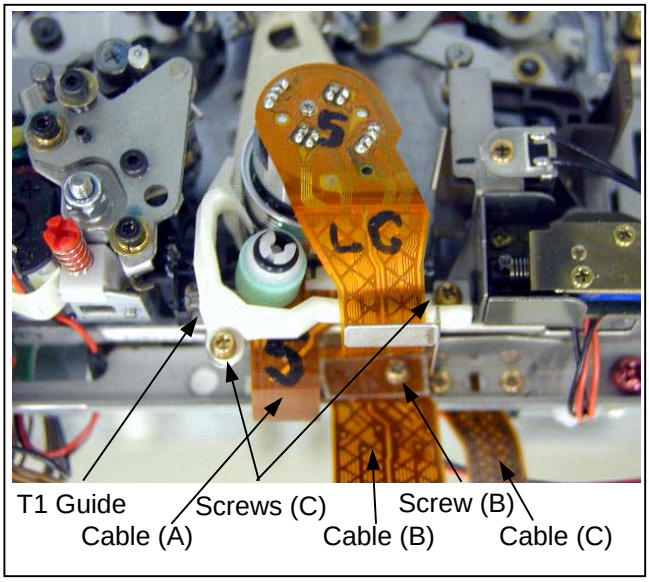


Figure 5-1-2

NOTE:
Don’t touch the cylinder by finger directly, when pull out the Cylinder Unit.

(Installation)

1. Install the new Cylinder Unit according to the opposite procedures of removing.

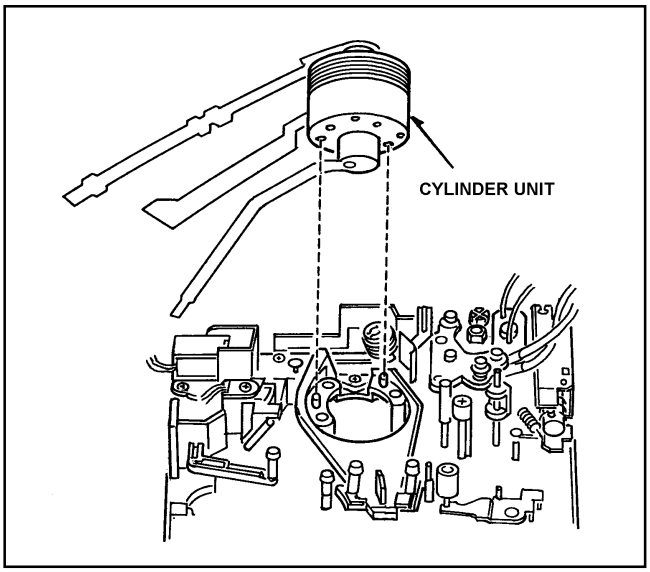


Figure 5-1-3

NOTE:
When installing the Cylinder Unit, the pin on Mech. Chassis should match with holes of Cylinder Unit as shown in Figure 5-1-3.

2. After installing the T1 Guide, T1 Guide Position Adjustment should be performed.
   (Please refer to item “5-2. Cleaning Arm Unit Replacement” and “5-3. T1 Guide Position Adjustment”)

5-2. Cleaning Arm Unit Replacement

(Removal)

1. Unscrew the 2 screws (A) and remove the T1 Guide as shown in Figure 5-2-1.
2. Widen the tip of the cleaner arm, lift up the cleaning arm unit and remove the spring and washer.

(Installation)

1. Install the spring and washer.
2. Insert Cleaning Arm Unit temporary to T2 Arm Unit. Install the spring between Cleaner Base Plate and Cleaning Arm Unit, and insert Cleaner Arm Unit to T2 Arm Unit perfectly.
3. Confirm that the Cleaner Roller rotate when rotate the cylinder by hand pressing the core of the Cleaner Solenoid.
4. Install the T1 Guide.
5. After install the T1 Guide, please perform the item “5-3. T1 Guide Position Adjustment”.

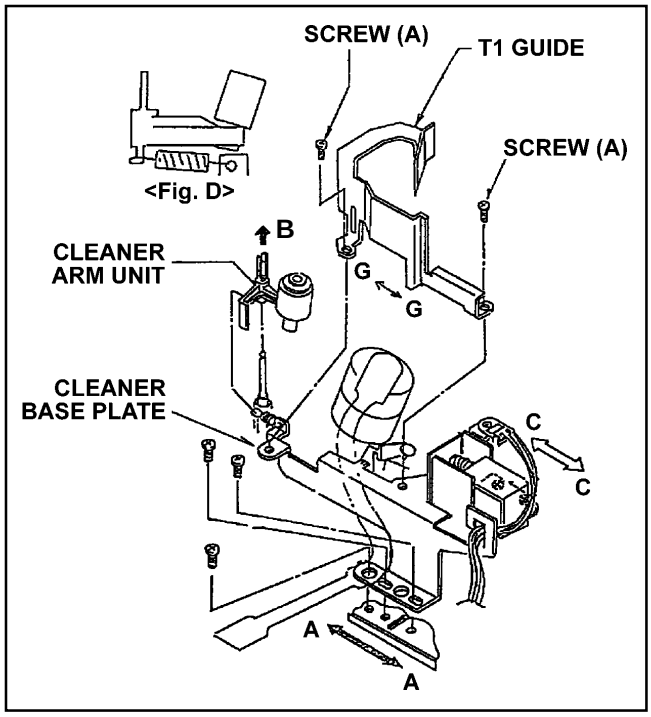


Figure 5-2-1

5-3. T1 Guide Position Adjustment

1. Place the unit to loading condition without the tape.
2. Observe the clearance (B) between T1 Guide and T1 post as shown in Figure 5-3-1, and make sure that it is within 0.2mm to 0.5mm.
3. If not, loosen the 2 screws (A) and adjust the position of the T1 Guide moves to direction of arrow (G ←→ G) so that the clearance (B) is within the specification. And tighten the 2 screws (A).

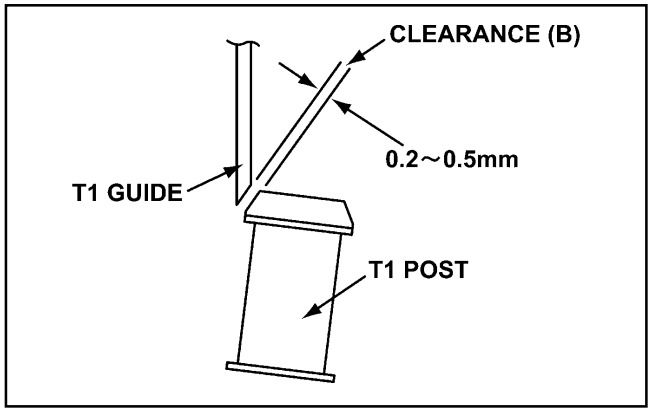
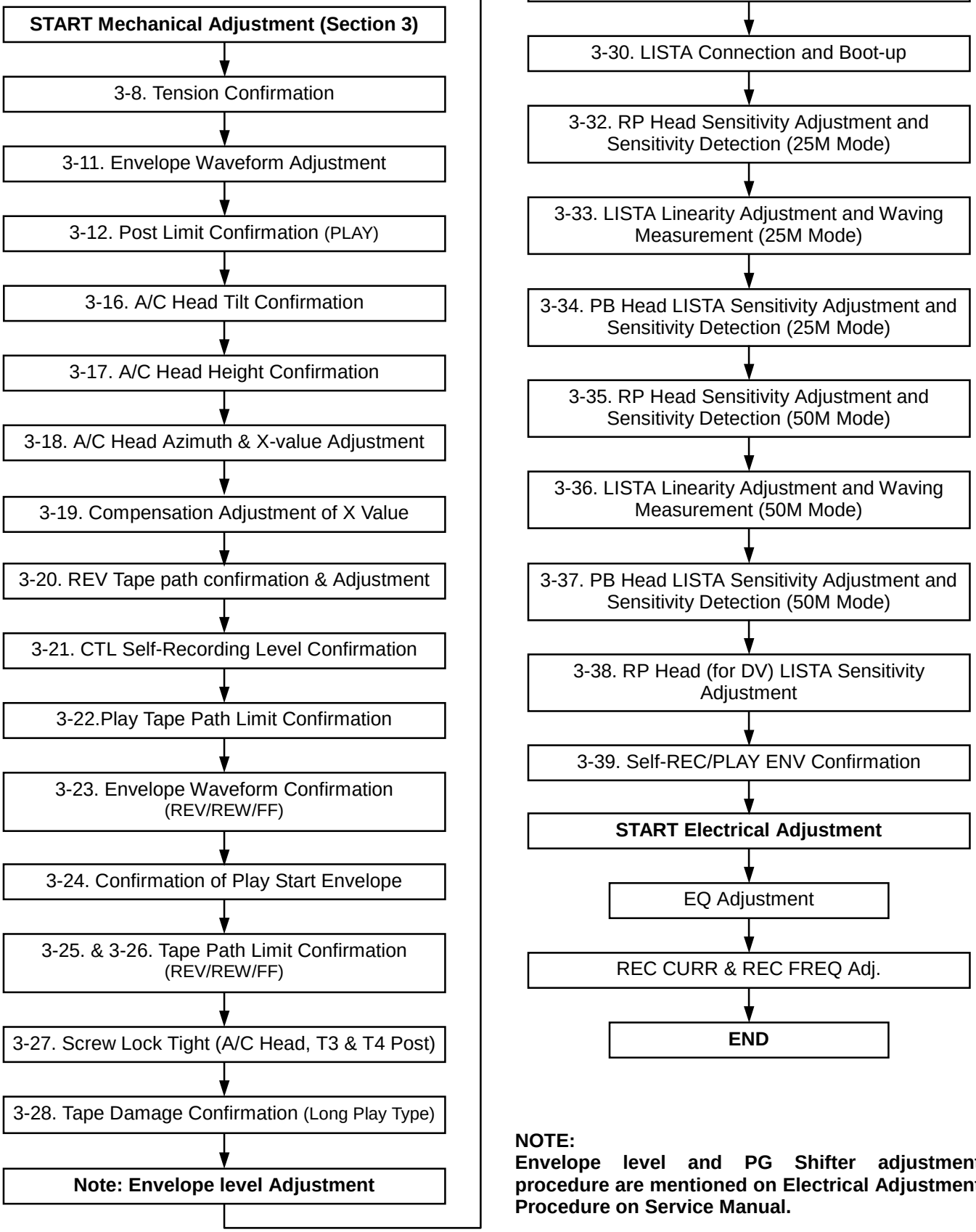


Figure 5-3-1

5-4. Adjustment Flow Chart After Cylinder Unit Replacement

1. After change the Cylinder Unit, please perform the adjustment and confirmation as following flow chart.



NOTE:
Envelope level and PG Shifter adjustment procedure are mentioned on Electrical Adjustment Procedure on Service Manual.

5-5. Supply & Take-up Reel Rotor Unit Replacement

(Removal)

1. Disconnect the **P34** and **P35** on the **MECH I/F**.
2. Move the S1 post to loading direction by manual ejecting method until the screw (C) can be removed as shown in Figure 5-5-1.
3. Confirm the supply and Take Up Brake are not released.
4. Press the iron core of M stopper solenoid to release the M stopper.
5. Remove the 4 screws (C), (D), (E) and (F) as shown in Figure 5-5-1.
6. Remove the Supply and Take Up Reel Rotor Unit and Reel Outer Rail as shown in Figure 5-5-2.

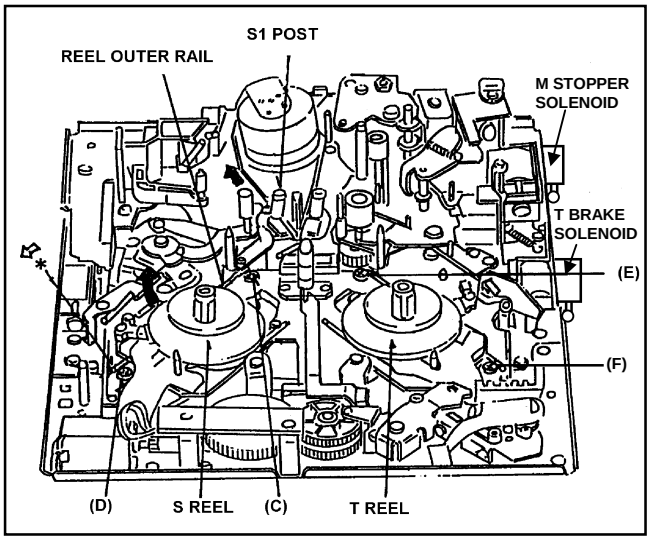


Figure 5-5-1

NOTE:
Confirm the groove position of Reel Base, and then insert the pin of Drive Arm Unit into it.

(Installation)

1. Install the Reel Outer Rail to New Supply and Take Up Reel Rotor Unit.
2. Hang on the Reel Rotor Unit on Reel Inner Rail and Install the Reel Rotor Unit matching the pin of Drive Arm Unit with groove position of Reel Base as shown in Figure 5-5-2.
3. Install the 4 screws (C), (D), (E) and (F).
4. Confirm that the Reel Rotor Unit move smoothly on the Rail by hand.
5. Move the Reel Rotor Unit to front side by hand and then pull up the iron core of M stopper solenoid so that M stopper operate.
6. Set the unloading condition by turning the Emergency shaft counter-clockwise.
7. Confirm that the Main Brake Torque.
8. Connect the Flexible Cable to **P34** and **P35** on the **MECH I/F**.
9. Adjust the S Reel Motor Torque Offset value.
10. Adjust the T Reel Motor Torque Offset value.
11. Confirm the Tension value on playback mode.

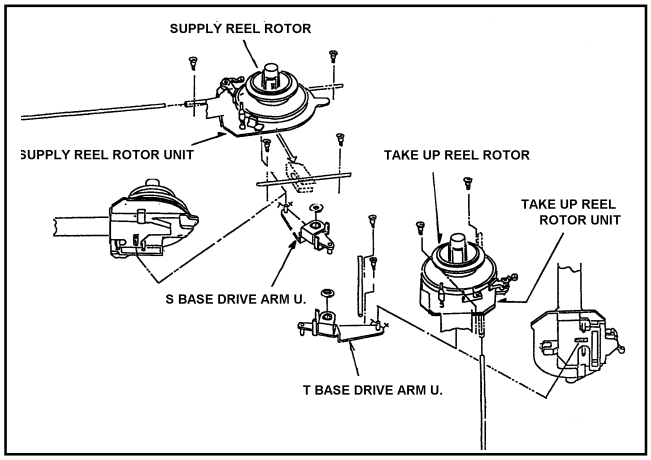


Figure 5-5-2

5-6. Main Brake Torque Confirmation

TEST	S Reel, T Reel
MODE	EJECT (Power OFF)
TOOL	Torque Gauge (VFK71A, VFK1191A) Torque Gauge Adapter (VFK1152)
ADJUSTMENT SPECIFICATION	
Direction A	
0.4±0.2cN·m (40±20g·cm)	
Direction B	
0.2±0.1cN·m (20±10g·cm)	

1. Install the adapter (VFK1152) to the torque gauge (VFK71A).
2. Put the torque gauge on S Reel and turn the torque gauge to direction A until S Reel slips against the brake.
3. Confirm the torque is within the specification.
4. Put the torque gauge on T Reel and turn the torque gauge to direction A until T Reel slips against the brake.
5. Confirm the torque is within the specification.
6. Install the adapter (VFK1152) to the torque gauge (VFK1191A).
7. Put the torque gauge on S Reel and turn the torque gauge to direction B until S Reel slips against brake.
8. Confirm the torque is within the specification.
9. Put the torque gauge on T Reel and turn the torque gauge to direction B until T Reel slips against brake.
10. Confirm the torque is within the specification.

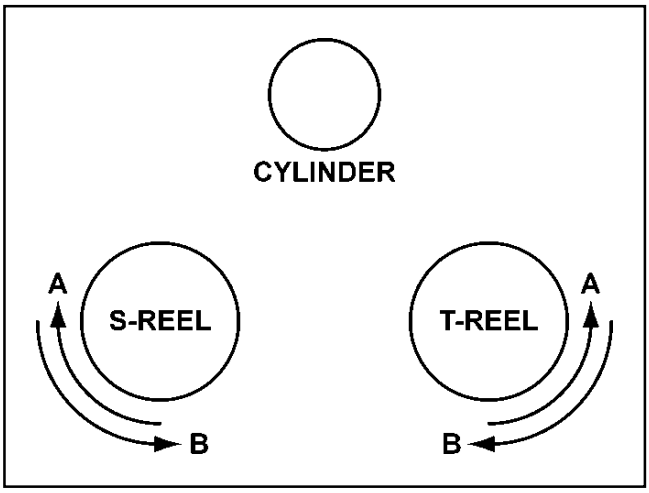


Figure 5-6-1

5-7. Supply & Take-up Brake Arm Unit Replacement

(Removal)

1. Press the iron core of Brake Solenoid to release the Brake.
2. Remove the cut washers (A) and remove the supply and Take Up Brake Arm Unit as shown in Figure 5-7-1.

(Installation)

1. When install the new Brake Arm Unit, hang on the Brake Arm Spring first as shown in Figure 5-7-1.
2. Follow the previous steps in reverse order.
3. Perform the Main Brake Torque confirmation.

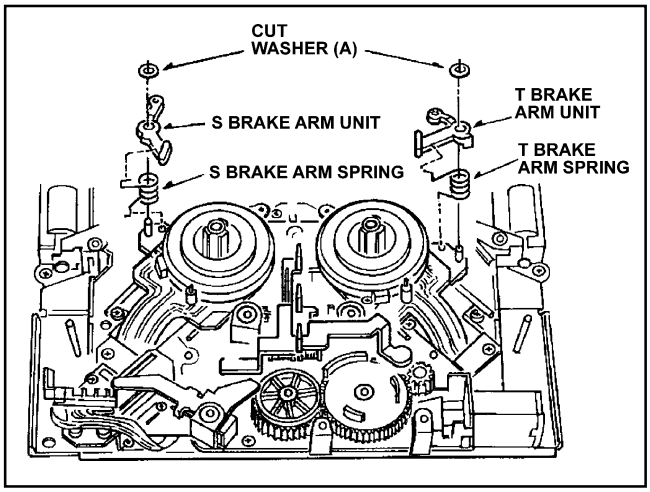


Figure. 5-7-1

5-8. Supply Brake Solenoid Replacement and Adjustment

(Removal)

1. Disconnect the **P15** on the **MECH I/F**.
2. Unscrew the 2 screws (A) and remove the Supply Brake Solenoid Base Unit as shown in Figure 5-8-1.
3. Unscrew the 2 screws (B) and remove the supply Brake Solenoid from Supply Brake Solenoid Base Unit as shown in Figure 5-8-1.

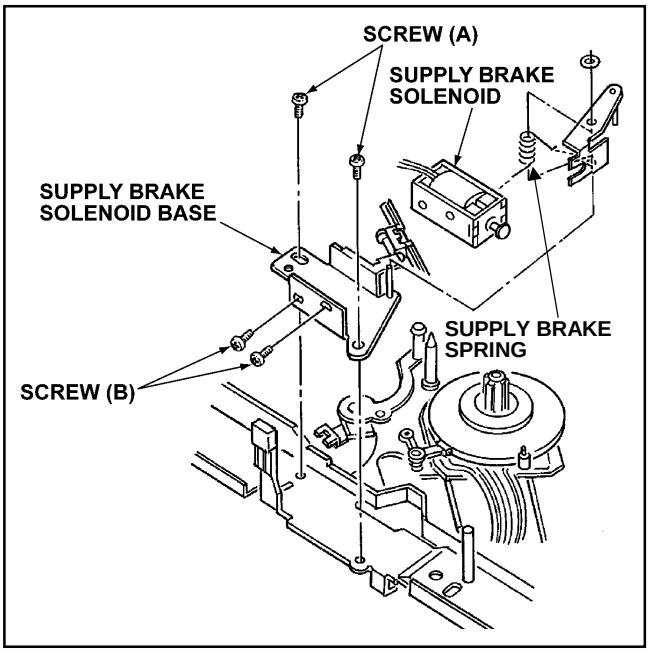


Figure. 5-8-1

(Installation)

1. Install the new supply Brake Solenoid following the removal steps in reverse order.

NOTE:
Hang on the Brake Arm Spring as shown in Figure 5-8-1.

2. After installing, perform the position adjustment as following procedures.

(Adjustment Procedures)

1. Place the reels in the M cassette size position.
2. Observe the clearance (A) between Brake pad and it's turntable as shown in Figure 5-8-2. And make sure that it is within 0.2 to 0.5mm.
3. If not, loosen the 2 screws (A), which fixed supply and Take Up Brake Solenoid Unit. And adjust the position of Brake Solenoid Unit by moving arrow direction so that the clearance (A) is within the specification. And tighten the 2 screws (A).
4. After adjustment, change the reel position to S and L cassette size, and confirm that the clearance (A) is within the specification.

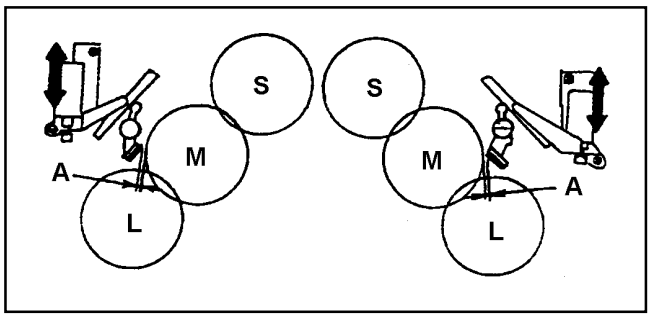


Figure 5-8-2

5-9. Take-up Brake Solenoid Replacement and Adjustment

(Removal)

1. Disconnect the **P18** on the **MECH I/F**.
2. Unscrew the 2 screws (A) and remove the Take Up Brake Solenoid Base Unit as shown in Figure 5-9-1.
3. Unscrew the 2 screws (B) and remove the Take Up Brake Solenoid from Take Up Brake Solenoid Base Unit as shown in Figure 5-9-1.

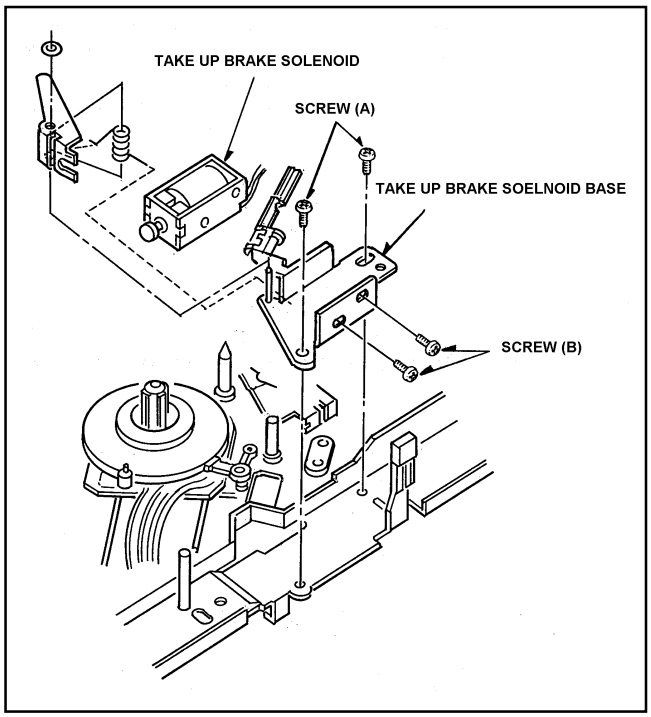


Figure 5-9-1

(Installation)

1. Install the new Take up Brake Solenoid following the removal steps in reverse order.

Note:
Hang on the Take up Brake Spring as shown in Figure 5-9-1.

2. After installation, position adjustment should be performed as follows.

(Adjustment Procedures)

1. Please adjust the position of Take up Brake Solenoid Unit following the adjustment procedure, which is described in item "5-8. Supply Brake Solenoid Replacement and Adjustment".

5-10. Pinch Solenoid Replacement

(Removal)

1. Disconnect the **P20** on the **MECH I/F**.
2. Unscrew the 2 screws (A) and remove the Pinch Solenoid Unit as shown in Figure 5-10-1.
3. Unscrew the 2 screws (B) and remove the Pinch Solenoid Angle as shown in Figure 5-10-1.
4. Unscrew the 2 screws (C) and remove the Pinch Solenoid from the Pinch Solenoid Base.

(Installation)

1. Install the new Pinch Solenoid following the removal steps in reverse order.
2. After installation, perform the Pinch Solenoid Position Adjustment.

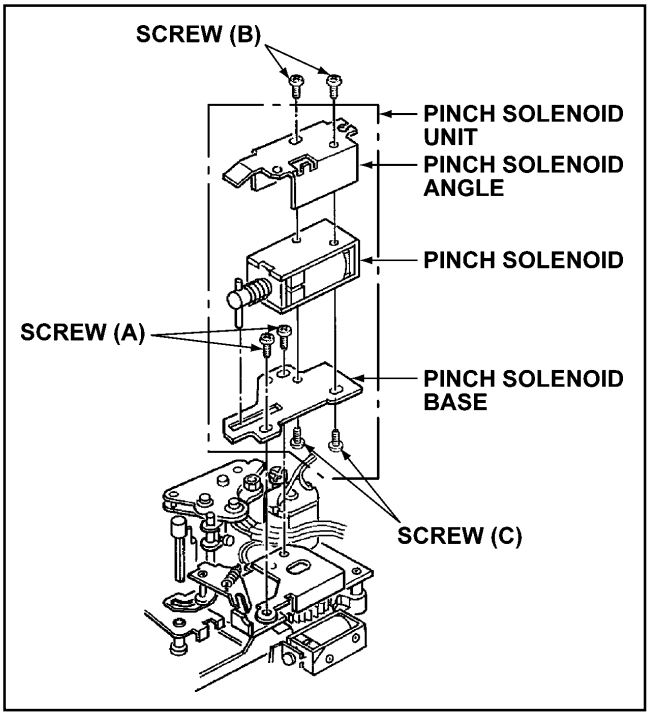


Figure 5-10-1

5-11. Pinch Solenoid Position Adjustment

SPEC.	T = 0.3 mm
TEST	Gap T
ADJUST	Screw (A) and Hole (B)
MODE	EJECT (Power OFF)
TOOL	Eccentric Driver (VFK0357)

1. Confirm the power is turned off.
2. Push the pinch roller by hand to be close to capstan.
3. Push the pinch solenoid by hand so that the pinch roller contacts capstan.
4. Loosen the two screws (A) and adjust the hole (B) by VFK0357 so that gap (T) is within the specification.

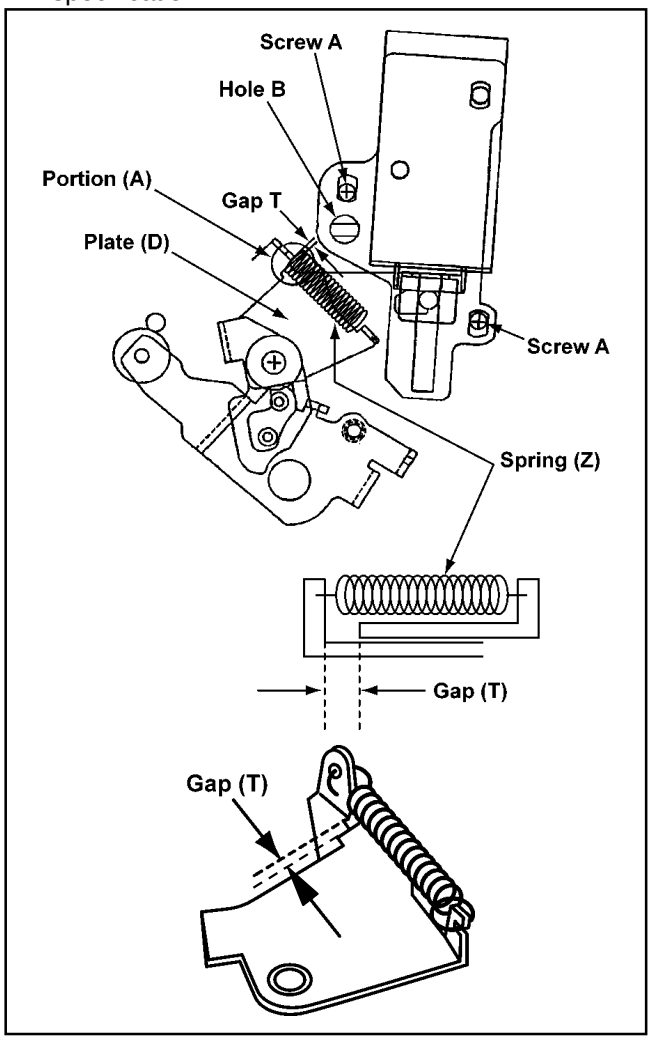


Figure 5-11-1

5-12. Pinch Arm Unit Replacement

(Removal)

1. Refer to item “5-10.Pinch Solenoid Replacement” to remove the Pinch Solenoid Unit.
2. Remove the cut washer (A) and remove the Pinch Solenoid Lever as shown in Figure 5-12-1.
3. Remove the cut washer (B) and remove the Pinch Arm Unit as shown in Figure 5-12-1.

(Installation)

1. Install the new Pinch Arm Unit following the removal steps in reverse order, and then Pinch Solenoid Position Adjustment is necessary.

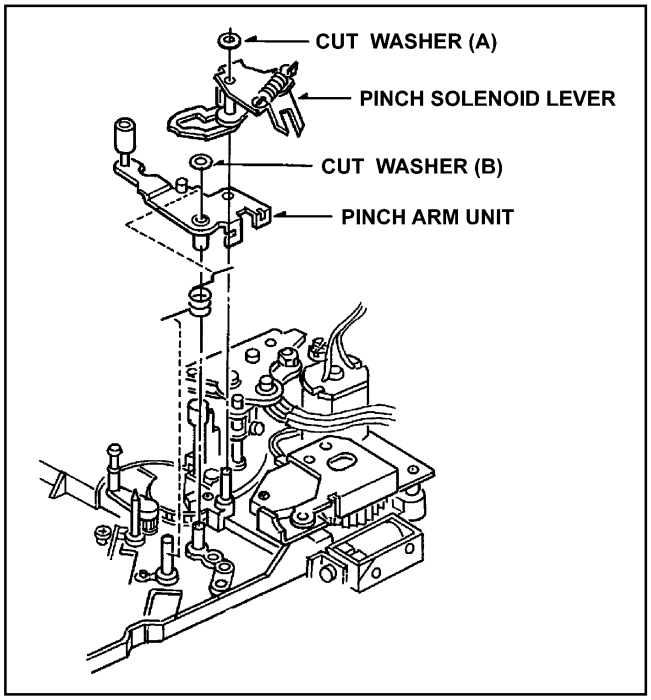


Figure 5-12-1

5-13. Loading Motor Replacement

(Removal)

1. Disconnect the **P21** on the **MECH I/F**.
2. Remove the Pinch Solenoid Unit. (Refer to item 5-10).
3. Unscrew the screw (B), and remove the Emergency Shaft as shown in Figure 5-13-1.
4. Unscrew the 2 screws (C) and remove the Loading Motor Neutral Unit as shown in Figure 5-13-1.
5. Unscrew the 2 screws (D) and remove the Loading Motor Unit as shown in Figure 5-13-1.

(Installation)

1. Install the new Loading Motor Unit to Loading Motor Neutral Unit by tightening 2 screws (D).
2. Install the Loading Motor Neutral Unit by tightening the 2 screws (C), paying attention to the pin of Mode SW Unit which should match with groove position of main Cam Gear.
3. Install the Emergency Shaft by tightening the screw (B).
4. Install the Pinch Solenoid Unit and after installation it, Pinch Solenoid Position adjustment is required. (Refer to item 5-11-1).
5. Connect the **P21** to the **MECH I/F**.

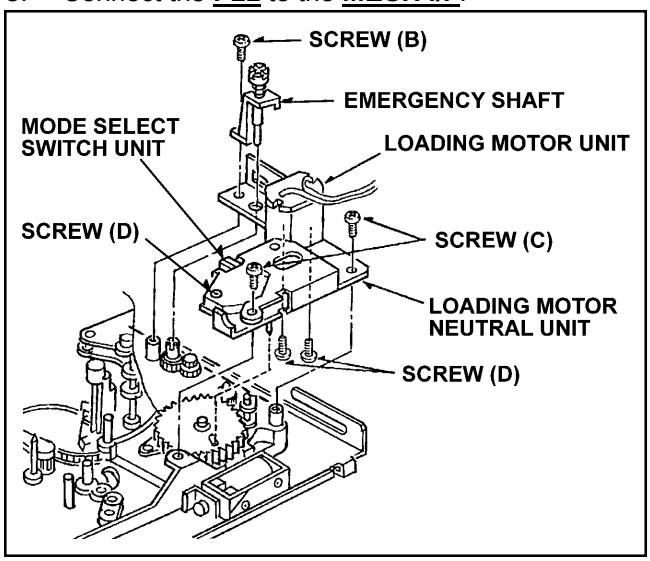


Figure 5-13-1

5-14. Mode SW Unit Replacement

(Removal)

1. Disconnect the **P22** on the **MECH I/F**.
2. Remove the Pinch Solenoid Unit and Loading Motor Unit. (Refer to item 5-10 and 5-13.)
3. Remove the screw (E) and remove the Mode Select Switch Unit from Loading Motor Unit as shown in Figure 5-14-1.

Note:

Pay attention to the pin of Mode Switch Unit which should be matched with groove of Main Cam Gear.

(Installation)

1. Install the New Mode Select Switch Unit following the removal steps in reverse order (Refer to item "5-13. Loading Motor Unit Replacement").

2. After install the Pinch Solenoid Unit, Pinch Solenoid Position adjustment is required. (Refer to item 5-11).

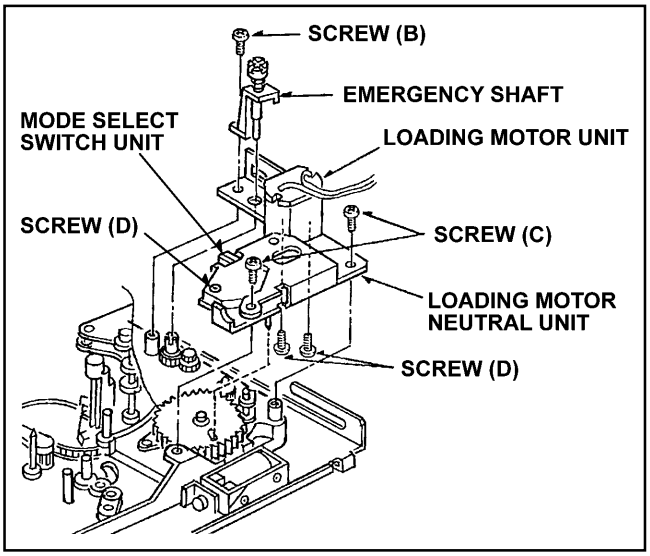


Figure 5-14-1

5-15. Main Cam Gear Replacement

(Removal)

1. Remove the Pinch Solenoid Unit and Loading Motor Unit. (Refer to item 5-10 and 5-13.)
2. Remove the Main Cam Gear as shown in Figure 5-15-1.

(Installation)

1. Install the Main Cam Gear, then the pin of Main Cam Arm Unit (*) should match with the groove position of Main Cam Gear as shown in Figure 5-15-1.
2. Follow the removal steps in reverse order.
3. After installation, perform the Pinch Solenoid Position Adjustment. (Refer to item 5-11)

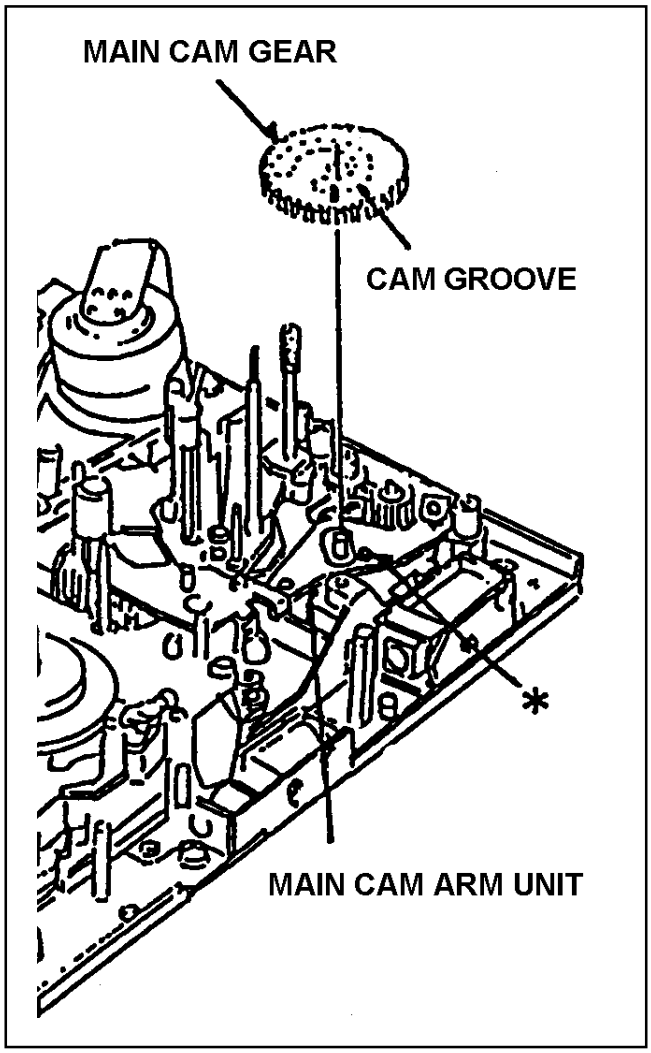


Figure 5-15-1

5-16. Thrust Screw Replacement and Adjustment

1. Remove the Thrust Adjustment Screw.
2. Clean the capstan shaft with an applicator.
3. Put the oil (VFK0906) on a new Thrust Adjustment Screw and install it to the upper end of the Capstan Housing.
4. Turn the Thrust Adjustment Screw slowly clockwise until the Capstan Rotor just starts turning (separate from the Capstan Rotor).
5. Turn the Trust Adjustment Screw further from that point (the point Capstan Rotor just starts turning) about 225 degrees clockwise as shown in Figure 5-16-2.
6. Put the glue (Ex. : Three Bond 1401B) on the Thrust Adjustment Screw.
7. Confirm that the Oil Seal is on the point on the Capstan Shaft as shown in Figure 5-16-1.

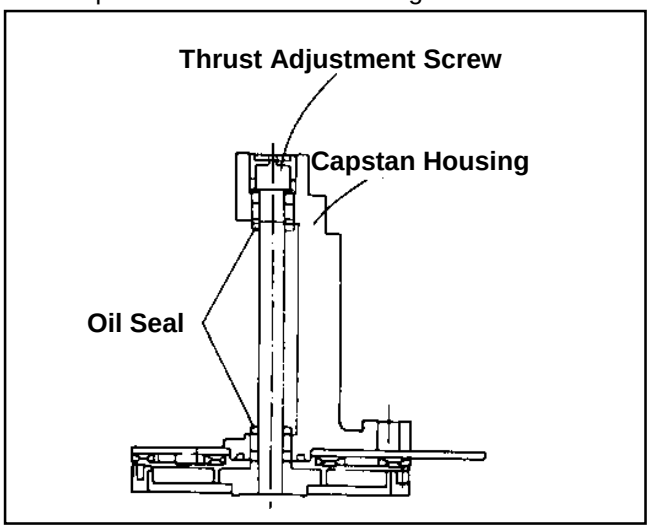


Figure 5-16-1

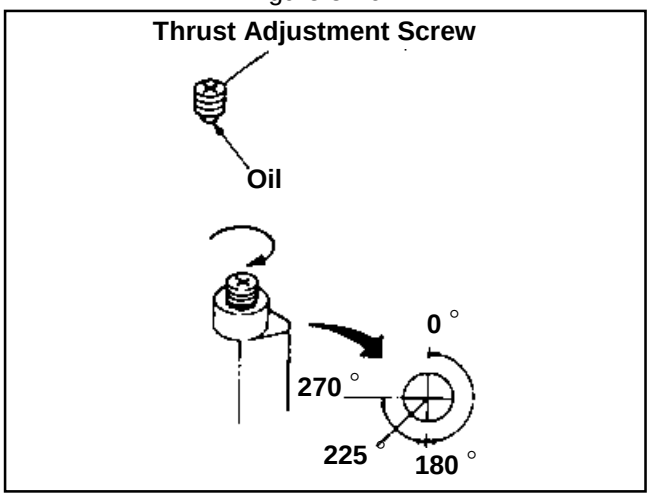


Figure 5-16-2

5-17. S5 Post Base Unit Replacement

(Removal)

1. Unscrew the screw (A) and remove the S5 Post Base Unit as shown in Figure 5-17-1.

(Installation)

1. Install the S5 post Base Unit following the removal steps in reverse order.

Note: Be careful the S5 Post Base Unit is installed to mech. chassis as shown in Figure 5-17-1.

2. After installation, Post Height Pre-Adjustment and Tape path Adjustment should be performed.

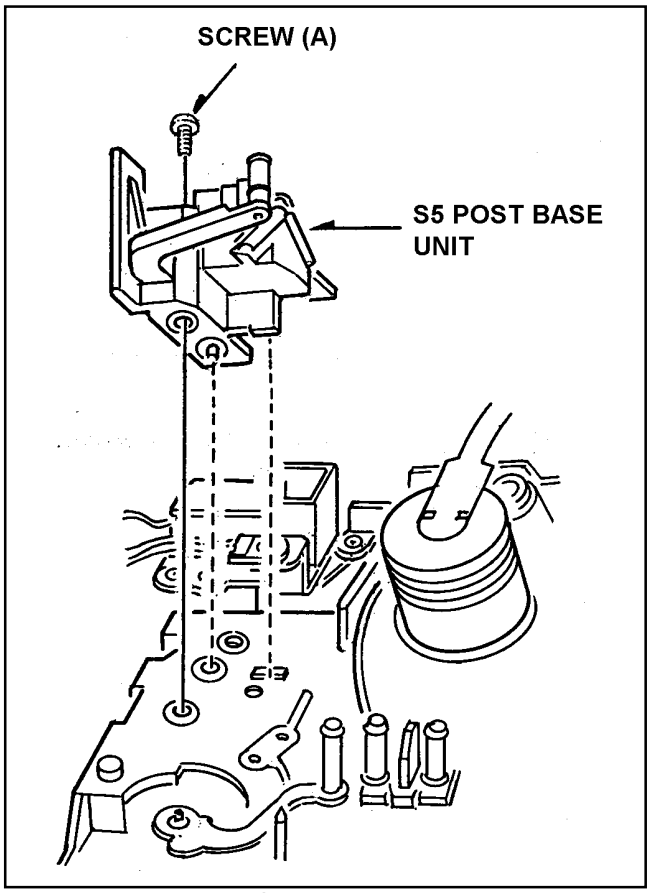


Figure 5-17-1

5-18. Tension Arm Unit Replacement

(Removal)

1. Remove the Cut Washer (A) and hang off the Tension Regulator Spring, and then remove the Tension Arm Unit as shown in Figure 5-18-1.

(Installation)

1. Install the new Tension Arm Unit following the removal steps in reveres order.
2. After installation, Tension Arm Adjustment should be performed the following steps.

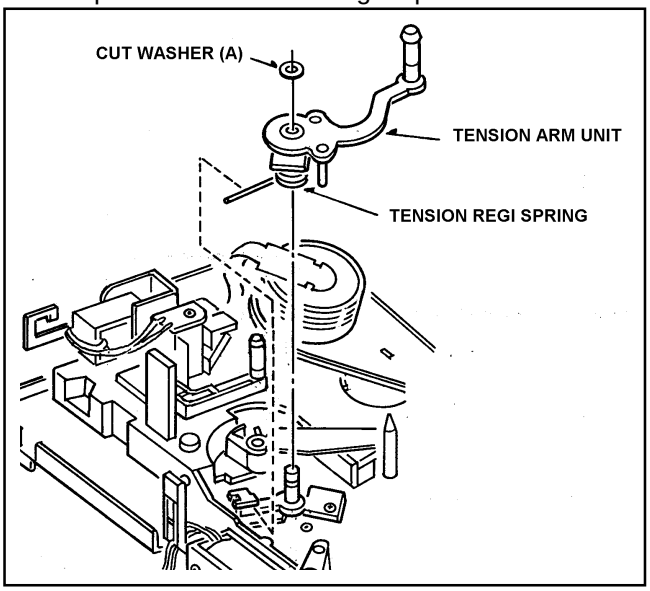


Figure 5-18-1

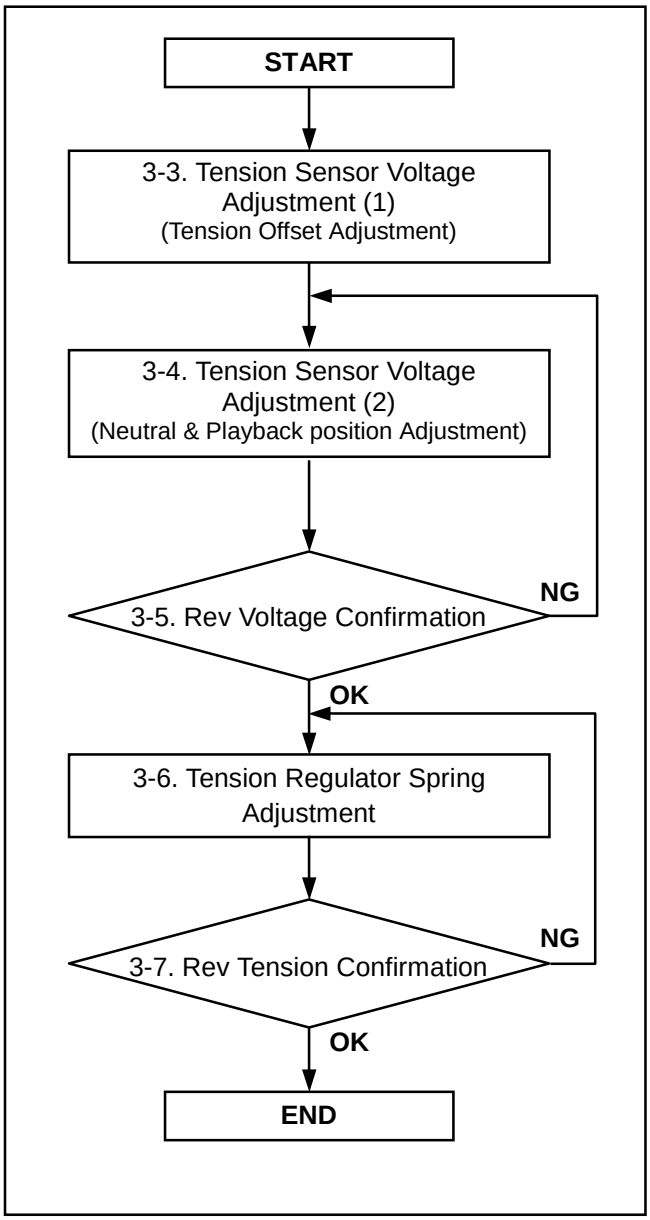


Figure 5-18-2

5-19. S1 Post Loading Arm Unit Replacement & Adjustment

(Removal)

1. Remove the S5 Post Base Unit. (Refer to item 5-17)
2. Remove the Tension Arm Unit. (Refer to item 5-18).
3. Unscrew the screw (A) and remove the S1 Post from Loading Rail as shown in Figure 5-19-1.
4. Remove the Cut Washer (B) and remove the S1 Loading Arm Unit as shown in Figure 5-19-1.

(Installation)

1. Install the new S1 Loading Arm Unit following the removal steps in reverse order, and then S1 Post Loading Arm Unit Phase Adjustment should be performed as follows.
2. After installation, confirm that the S1 Post move smoothly on the Loading Rail.
3. Tension Arm and Tape path Adjustment should be performed.

(Adjustment)

Install and adjust so that the Hole (A) is to be parallel with Hole (B) as shown in Figure 5-19-1.

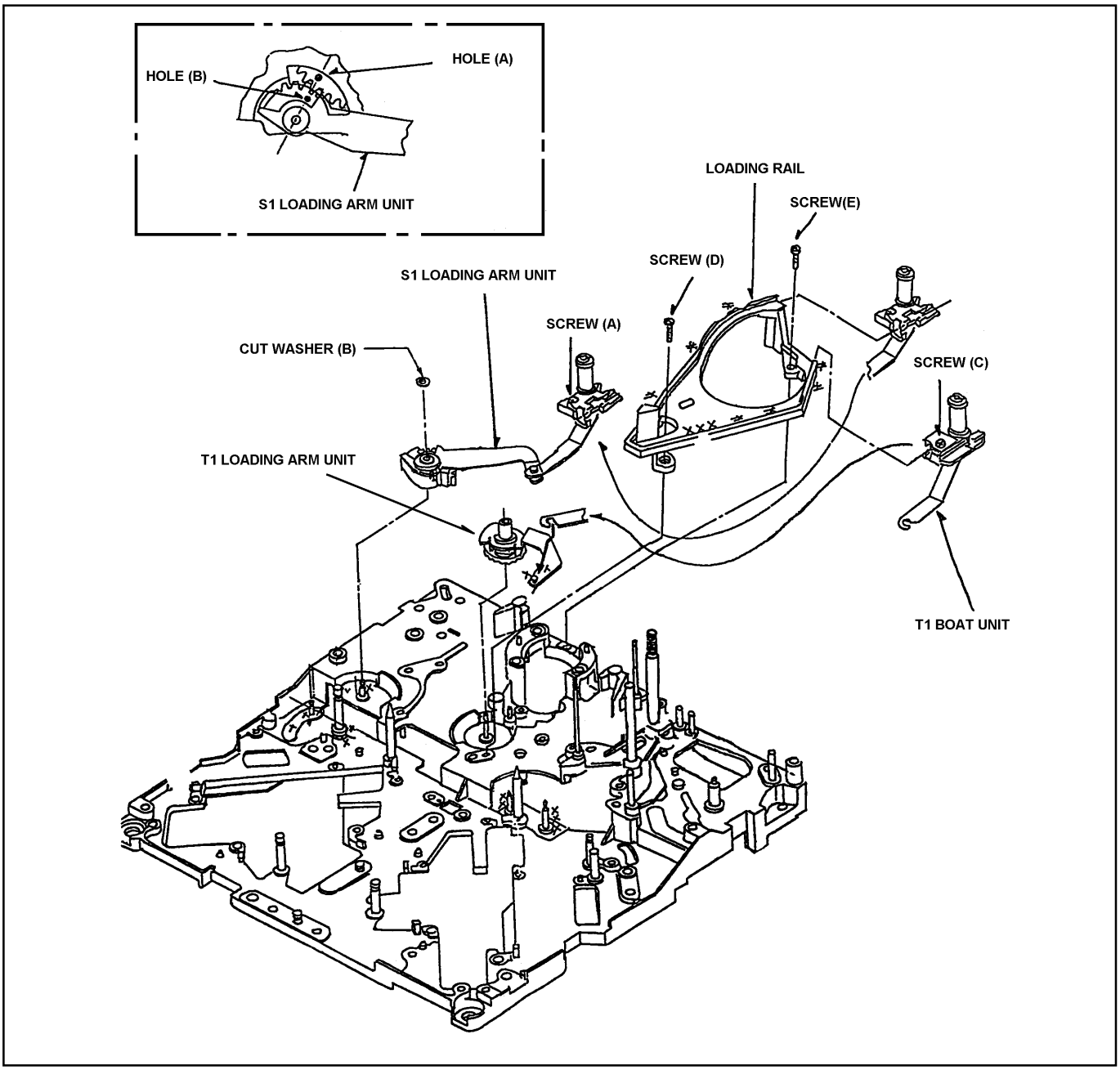


Figure 5-19-1

5-20. T1 Boat Unit Replacement and Adjustment

(Removal)

1. Unscrew the screw (C) and remove the T1 Post from Loading Rail as shown in Figure 5-19-1 on the previous page.
2. Hang off the T1 Boat Unit from T1 Loading Arm Unit as shown in Figure 5-19-1.

(Installation)

1. Install the new T1 Boat Unit follow the removal steps in reverse order.
2. After installation, confirm that the T1 Post move smoothly on the Loading Rail.
3. Tape path Adjustment should be performed.

(Know how for Replacing T1 boat)

(1) T1 boat replacing procedure
Fix the T1 boat flat to the T loading arm N ass'y not to bend the both parts.

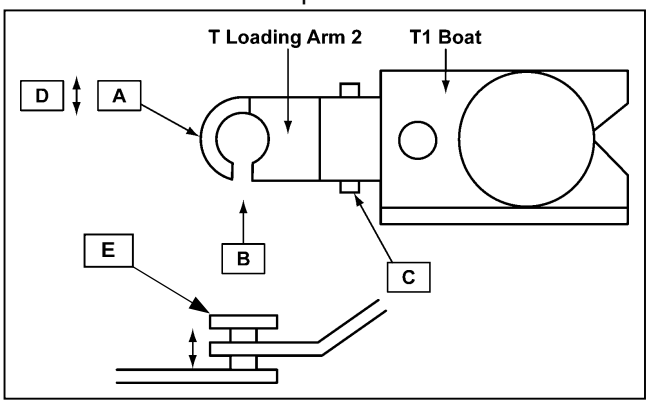


Figure 5-20-1

- If the portion A shown in the figure above is deformed , the T1 boat can cause snag during loading or significant change in X-Value. Visually check the portion A doesn't have the deformation.
- If deformation is found, remove the T1 boat, flatten the arm by using an appropriate tool such as a pair of long nose pliers and then install the T1 boat. Or, replace the T1 boat with a new one.
- If the portion B shown in the figure above is significantly deformed, the arm can become loose. At a half load position, while pinching the portion C of the arm with tweezers, slightly move the arm in the directions of D several times and make sure that the arm does not come off. If it can come off, remove the T1 boat. Using long nose pliers, narrow the opening B and then fit the T1 boat.

(Confirmation and Adjustment Procedure)

Tool : T Arm Height Adj. Tool A (VFK1542)
T Arm Height Adj. Tool B (VFK1543)

(1) T1 boat replacing procedure

1. Turn the emergency red screw clockwise and set T1 Boat Unit to the position which the point (A), (B) and (C) in Figure 5-20-2 be on the same line.
2. Push the Pinch Roller by hand to be close to Capstan and push the Pinch Solenoid by hand so that the Pinch Roller contacts Capstan.
3. Set the T Arm Height Adj. Tool A (VFK1452) to take up side cassette fixed pin as shown in figure 5-20-3.
4. Turn the Tool A and confirm that the Tool A contacts to pin E (the position of pin E as shown in figure 5-20-1) as shown in figure 5-20-3.
5. Set the T Arm Height Adj. Tool B (VFK1543) to take up side cassette fixed pin as shown in figure 5-20-3.
6. Turn the Tool B and confirm that the Tool B does not contact to pin E (the position of pin E as shown in figure 5-20-1) as shown in figure 5-20-3.

<Specification of T Arm Height>

	Contact of Pin E
Tool A (have cut)	contact
Tool B (have not cut)	no contact

Note 1: In case Tool A does not contact to Pin E.

1. Remove the T1 Boat Unit from Loading Rail and press up the T Loading Arm 1 by hand to change the height of T Loading Arm.
2. Install the T1 Boat Unit and hit the Pin E from the top lightly.
3. Repeat the T1 Loading Arm Height Adjustment.

Note 2: In case Tool B contact to Pin E.

1. Remove the T1 Boat Unit from Loading Rail and press down the T Loading Arm 1 by hand to change the height of T Loading Arm.
2. Install the T1 Boat Unit and hit the Pin E from the top lightly.
3. Repeat the T1 Loading Arm Height Adjustment.

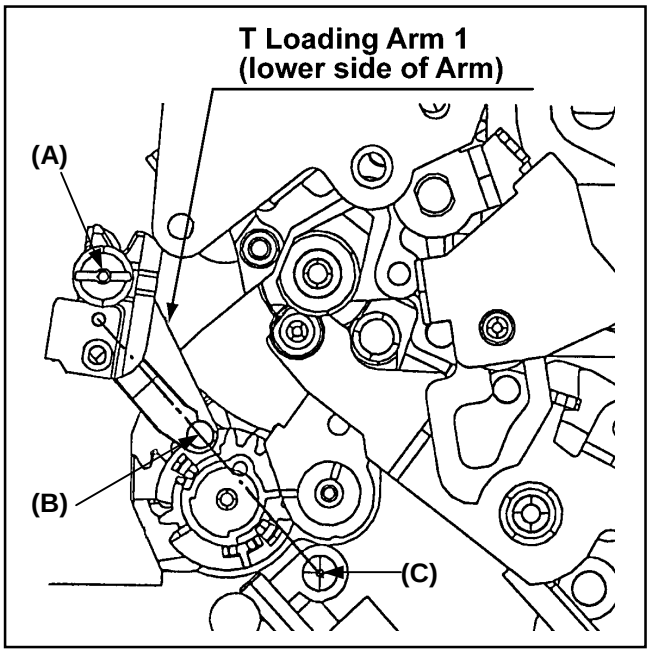


Figure 5-20-2

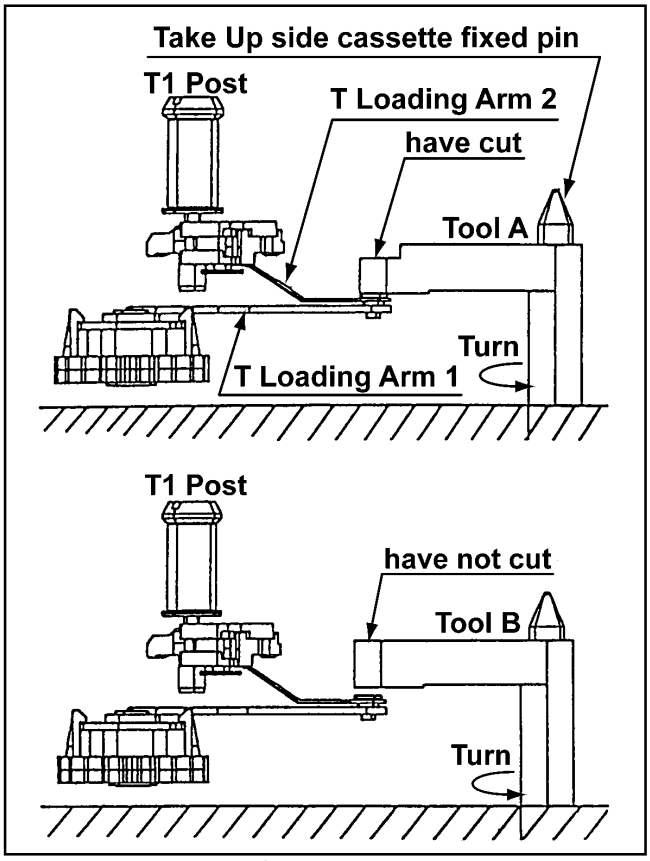


Figure 5-20-3

(2) Check the smooth movement of T1 Boat Unit.

Check smooth loading and unloading operations. If not smooth (especially, at the curve of rail), take the following steps.

1. Check deformation of T1 boat joint.
2. If no deformation, then reposition the loading rail as described below.

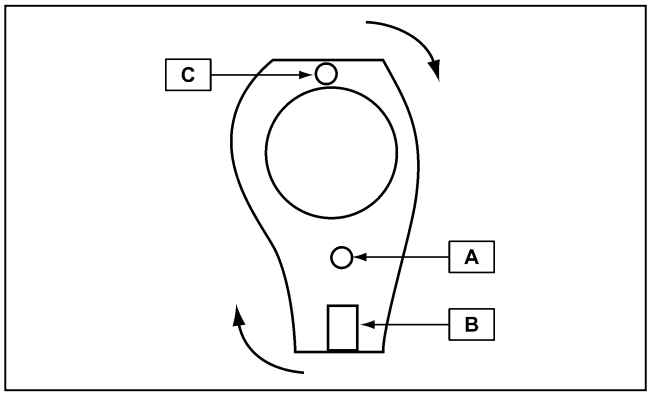


Figure 5-20-4

1. Loosen the screw A.
2. While pressing the projection B leftward, tighten the screw.

If loading & unloading operation still is not smooth, remove CYL and loosen screws A and C. Turn the rail clockwise as shown in the figure and then tighten the screws.

If the operation still is not smooth, replace loading rail or the T1 boat with a new one.

5-21. A/C head Replacement & Adjustment

<Tools required>

Nut Driver (5.5mm : VFK1150)
Hex Driver (VFK1148)
Hex Wrench (VFK1190)

Point: Memorize height of the Nut (C) before remove the Nut (C).

(Removal)

1. Loosen the hex screw (B) and remove the Nut (C). Hang off the Head Height Adjustment Spring and then remove the A/C Head Unit as shown in Figure 5-21-1.

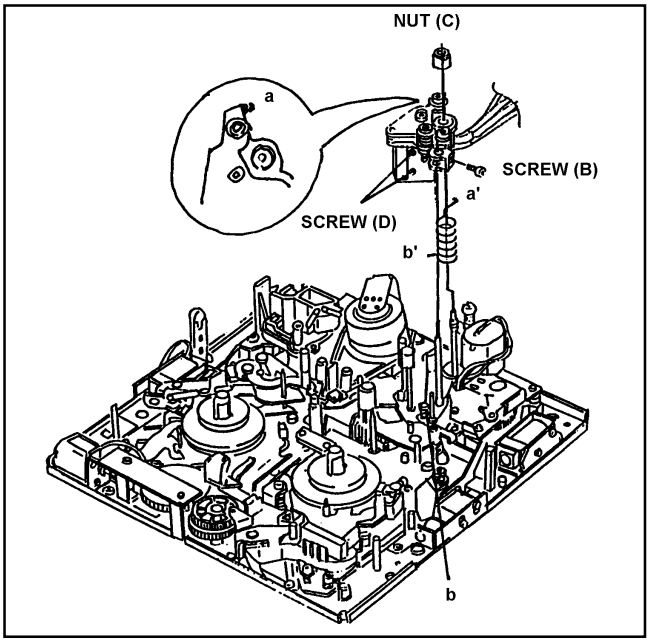


Figure 5-21-1

2. Remove the 2 screws (A) and disconnect the **P4001** on the **RF/CUE P.C.B.** and **P30** on the **MECH I/F**, and then remove the A/C Head from the A/C Head Plate as shown in Figure 5-21-2.

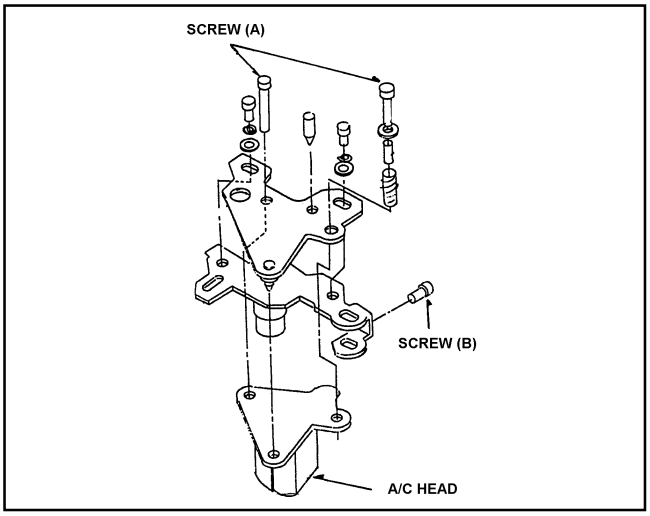


Figure 5-21-2

3. Remove the Shield Cover by removing 2 screws (D) in Figure 5-21-1.
4. Unsolder the lead wires as shown in Figure 5-21-3. (When unsolder the lead wires, do not unsolder all at the same time)

(Installation)

1. Remove the Shield Case from the New A/C Head and solder the lead wires to New A/C Head. (Refer to Figure 5-21-3)
2. Reinstall the shield case to A/C Head.
3. Install the A/C Head to A/C Head Plate by tightening 2 screws (A), then set the gap parallel between A/C Head and A/C Head Plate.
4. Install the A/C Head Unit.
5. Hang on the Head Height Adjustment Spring and tighten the Nut (C).
6. Clean the surface of the A/C Head.

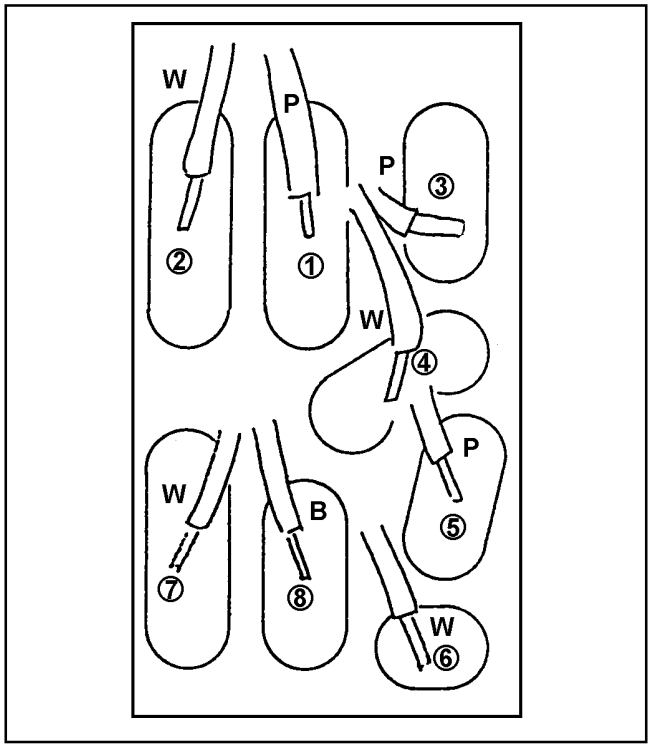
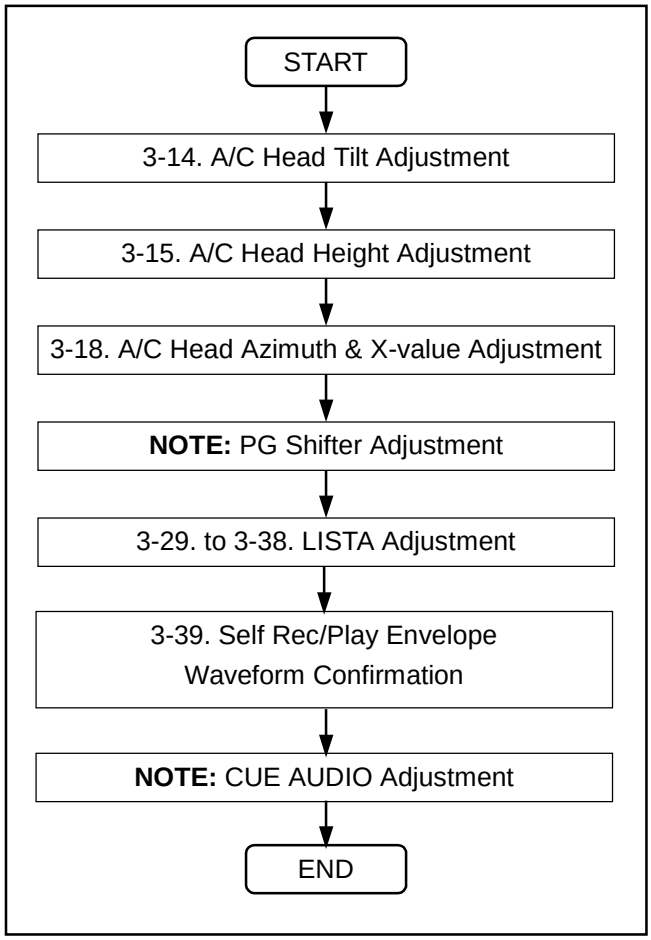


Figure 5-21-3

A/C Head	Cable Color		Connector
1	Pink	Yellow	P4001
2	White		
3	Pink	Red	
4	White		
5	Pink	Green	
6	White		
7	White	Yellow	P30
8	Black		

<A/C Head Adjustment>

1. After change the A/C Head, please perform the following steps.



NOTE:
PG Shifter and CUE AUDIO adjustment procedures are mentioned on Electrical Adjustment Procedures on Service Manual.

5-22. Cleaner Solenoid Replacement & Adjustment

(Removal)

1. Disconnect the **P48** on the **MECH I/F**.
2. Unscrew the 2 screws (A) and remove the Cleaner Solenoid Unit as shown in Figure 5-22-1.
3. Unscrew the 2 screws (B) and remove the Cleaner Solenoid as shown in Figure 5-22-1.

(Installation)

1. Install the new Cleaner Solenoid following the removal steps in reverse order.
2. After installation, perform the Cleaner Solenoid Position adjustment.

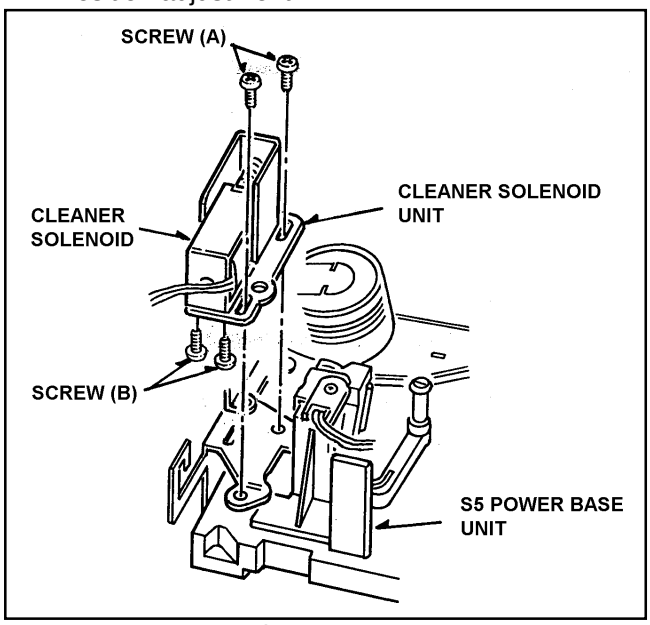


Figure 5-22-1

5-22-1. Cleaner Solenoid Position Adjustment

<Tools required>

Eccentric Driver (VFK0357)

1. Press the iron core of Cleaner Solenoid.
2. Observe the clearance (D) between Cleaning Arm Unit and Cleaner Base Plate as shown in Figure 5-22-3. And make sure that it is within 0.5 to 0.7mm.
3. If not, loosen the 2 screws (A) and adjust the position of Cleaner Solenoid Unit by moving arrow direction (C ⟷ C) using the Eccentric drive so that the clearance (D) is within the specification. And tighten the 2 screws.
4. After adjustment, confirm that as follows.
5. Press the iron core of Cleaner Solenoid and released it, then the Cleaning Roller return to original position.
6. Press the iron core of the Cleaner Solenoid and confirm that the Cleaner Roller rotates, when the Cylinder is rotated by hand.

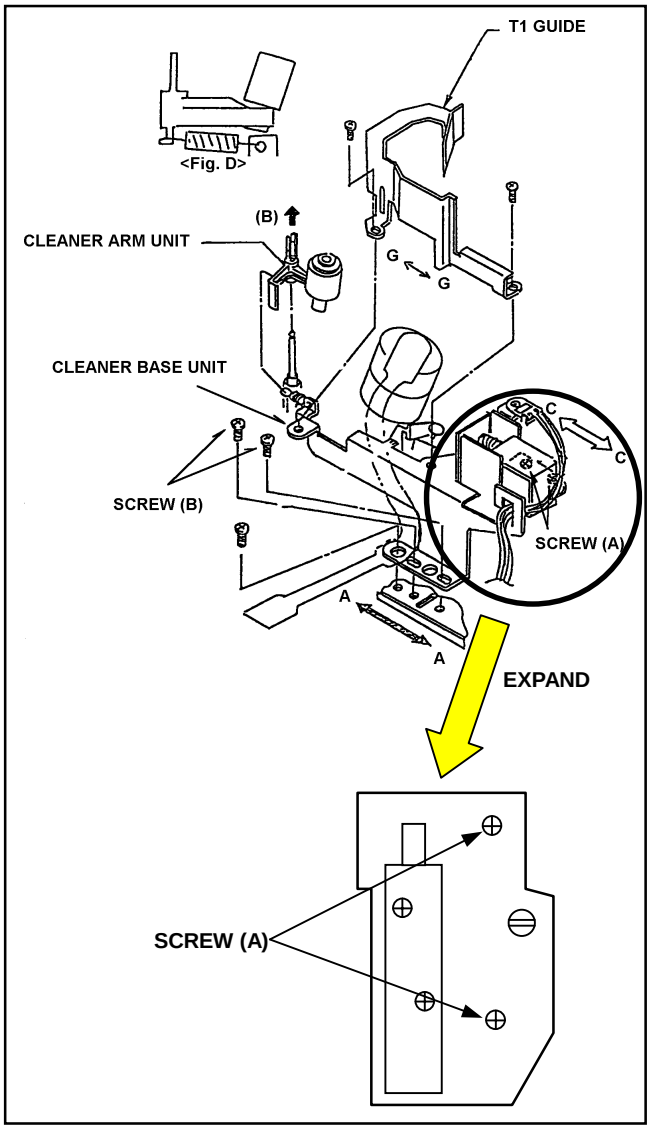


Figure 5-22-2

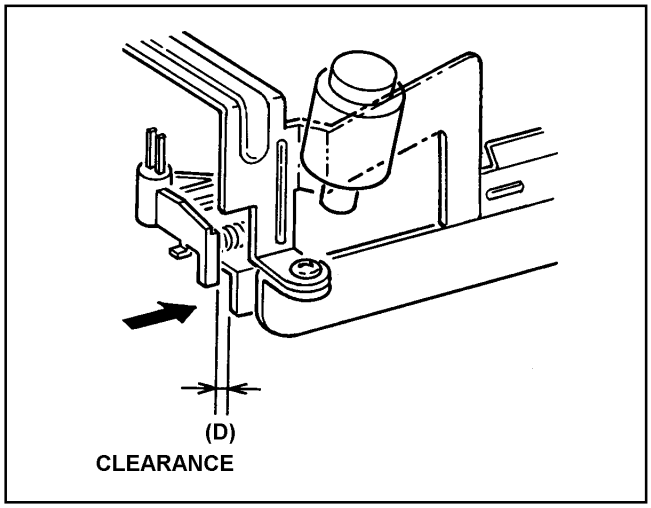


Figure 5-22-3

Note:
If the cleaner Base Plate is removed, execute the Cleaner roller Position adjustment.

5-22-2. Cleaner Roller Position Adjustment

<Tools required>

Eccentric Driver (VFK0357)

1. Observe the clearance (A) between Cleaner Roller and cylinder Unit as shown in Figure 5-22-4. And make sure that it is within 1.0 to 1.2mm.
2. If not, loosen the 2 screws (B) as shown in figure 5-22-2 and adjust the position of Cleaner Base Plate by moving arrow direction (A ⟷ A) using the Eccentric driver so that the clearance (A) is within the specification. And tighten the 2 screws (B).

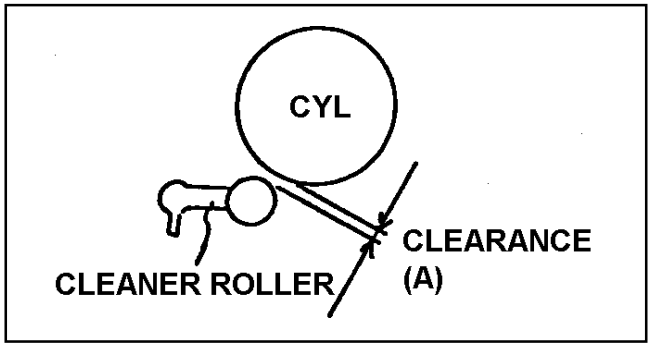


Figure 5-22-4

5-23. Distinction SW Unit Replacement

(Removal)

1. Disconnect the **P17** on the **MECH I/F**.
2. Remove the MIC Drive Rev Spring at Distinction Switch Unit side as shown in Figure 5-23-1.
3. Unscrew the 3 screws (A) and remove the MIC Rail Unit as shown in Figure 5-23-1.

(Installation)

1. Install the new Distinction Switch Unit following the removal steps in reverse order.
2. Confirm that the M and L cassettes touch to Distinction Switch Unit correctly.

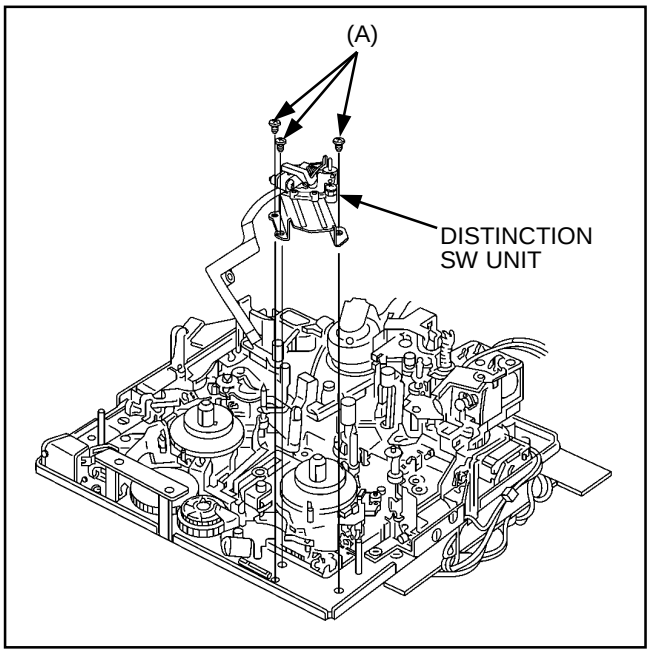


Figure 5-23-1

5-24. Reel Drive Motor Unit Replacement

(Removal)

1. Disconnect the **P16** on the **MECH I/F**.
2. Unscrew the 2 screws (A) and remove the Reel Drive Sensor P.C.Board as shown in Figure 5-24-1.
3. Unscrew the 2 screws (B) and remove the Reel Drive Motor Unit as shown in Figure 5-24-1.

(Installation)

1. Install the new Reel Drive Motor Unit following the removal step in reverse order.

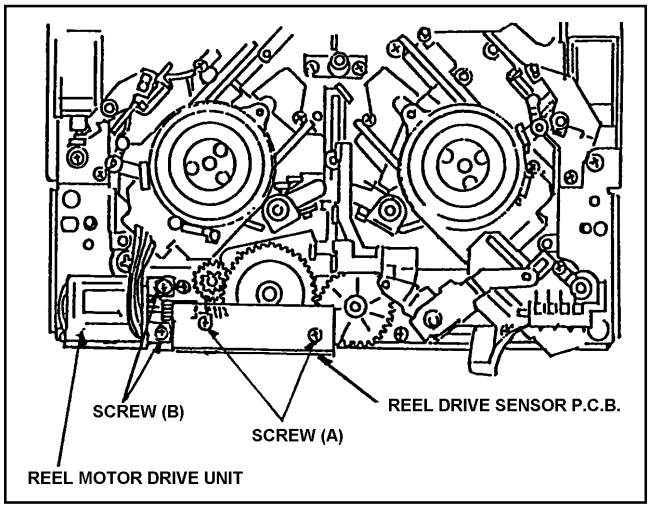


Figure 5-24-1

5-25. L-M Release Angle Unit Replacement

(Removal)

1. Unscrew the 2 screws (A) and remove the L-M Release Angle Unit as shown in Figure 5-25-1.

(Installation)

1. Install the new L-M Release Angle Unit following the removal steps reverse order.

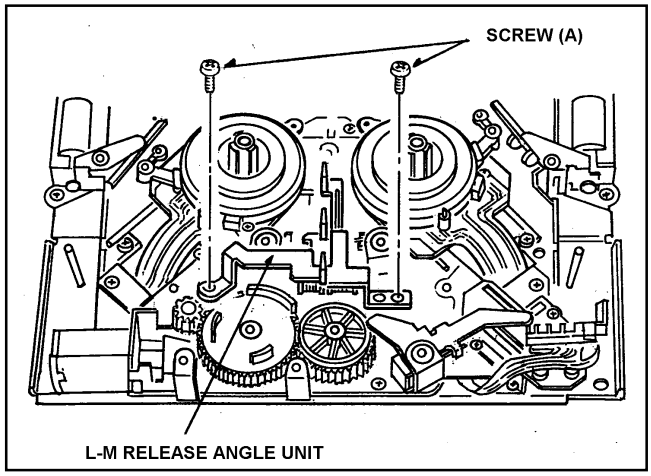


Figure 5-25-1

5-26. Slide Rod Unit Replacement & Adjustment

(Removal)

1. Remove the L-M Release Angle Unit. (Refer to item 5-25)
2. Remove the Reel Drive Sensor P.C.Board. (Refer to item 5-24).
3. Remove the Cut Washer (A) and remove the Reel Drive Cam Gear as shown in Figure 5-26-1.
4. Remove the Cut Washer (B) and remove the MIC Drive Arm Unit as shown in Figure 5-26-1.
5. Remove the Cut Washer (C) and remove the MIC Geneva Gear as shown in Figure 5-26-1.
6. Remove the Cut Washer (D) and remove the Reel Drive Arm Unit as shown in Figure 5-26-2.
7. Remove the Supply and Take Up Reel Rotor Unit. (Refer to item 5-5)
8. Remove the 2 Cut Washers (E) and remove the Supply and Take Up Base Drive Arm Unit.
9. Remove the 2 Cut Washers (F) and remove the Slide Rod Unit.

(Installation)

1. Install the new Slide Rod Unit following the removal steps in reverse order.
2. After installation of the Reel Drive Cam Gear and MIC Geneva Gear, phase adjustment should be performed as follows.

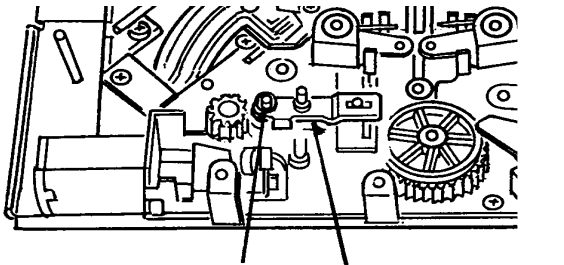


Figure 5-26-2

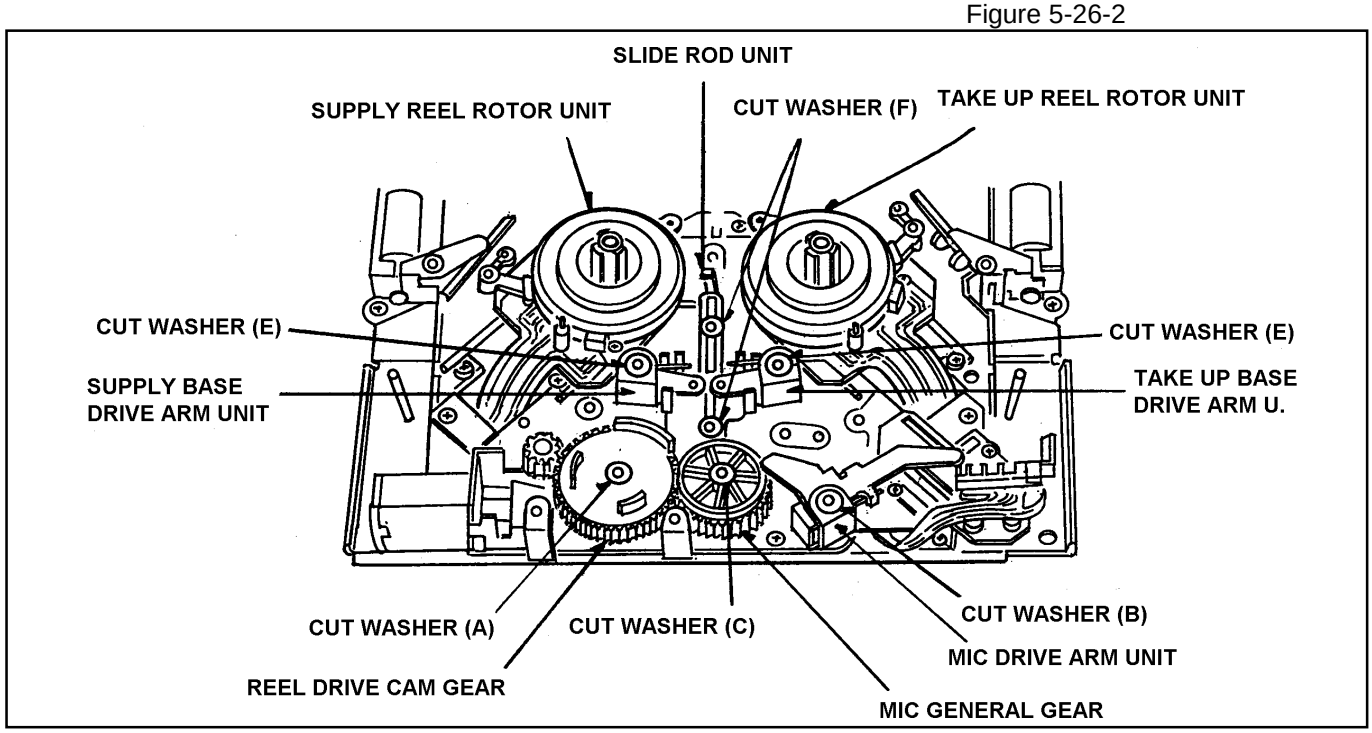


Figure 5-26-1

(Adjustment)

1. Install the MIC Geneva Gear to the Chassis.
2. Place the Reels in the M-Size position by hand.
3. Install the MIC Drive Arm Unit.
4. Place the REC Inhibit SW in front position on Distinction SW Unit by rotation of MIC Geneva Gear, and then MIC Geneva Gear should be positioned as shown in Figure 5-26-3.

Note:
Protrusion of MIC DRIVE Arm Unit is positioned as shown in Figure 5-26-3.

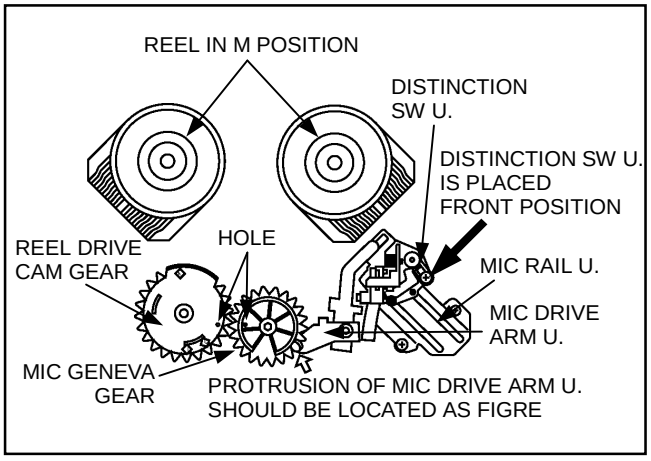


Figure 5-26-3

5. Install the Reel Drive Cam Gear and the hole of Reel Drive Cam Gear should match with the hole of MIC Geneva Gear as shown in Figure 5-26-3.
6. Install the Cut Washer (A), (B) and (C) as shown in Figure 5-26-1.

Point of Adjustment:

1) Reel in M-Size position.
2) Set the REC Inhibit SW in front position of Distinction SW Unit.
3) Protrusion of MIC Drive Arm Unit is positioned as shown in Figure 5-26-3.
4) Holes between Reel Drive Cam Gear and MIC Geneva Gear are matched.

5-27. M-Stopper Solenoid Replacement & Adjustment

(Removal)

1. Remove the **P24** on the **MECH I/F**.
2. Unscrew the 4 screws (A) and (B) and remove the M-Stopper Solenoid as shown in Figure 5-27-1.

(Installation)

1. Install the new M-Stopper Solenoid following the removal steps in reverse order.
2. After installation, position adjustment should be performed as follows.

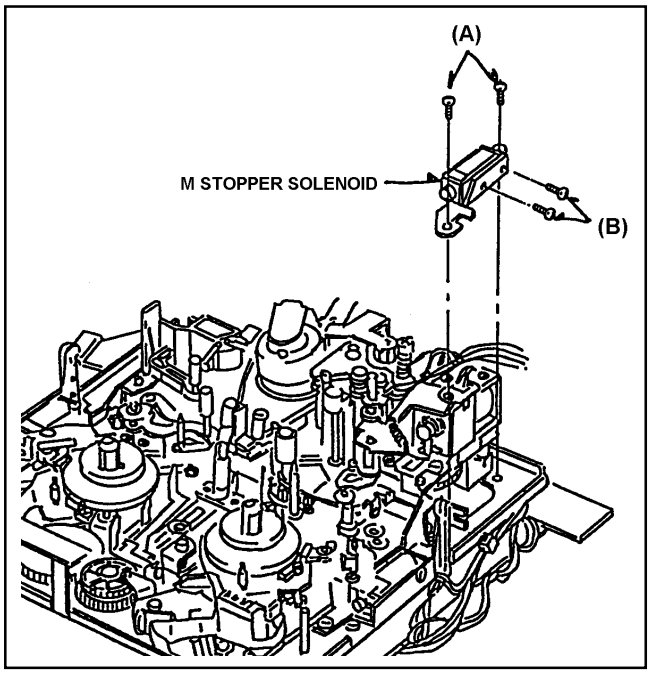


Figure 5-27-1

(Adjustment)

1. Place the reels in the L size position.
2. Push the iron core of M-Stopper Solenoid by hand.
3. Observe the clearance (A) between Mech. Chassis and M-Stopper as shown in Figure 5-27-2. And make sure that it is within 1.1 to 1.3mm.
4. If not, loosen the 2 screws (A), which fixed M-Stopper Solenoid. And adjust the position of M-Stopper Solenoid so that the clearance (A) is within the specification. And tighten the 2 screws (A).

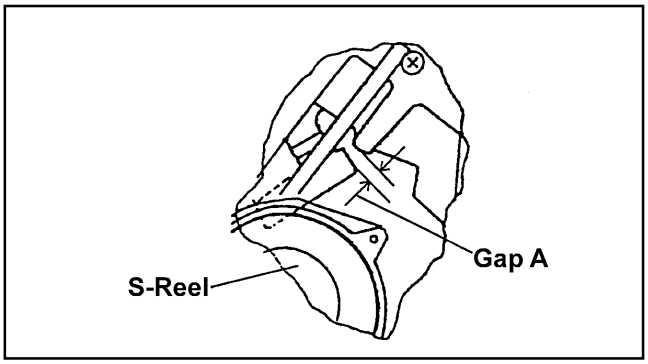


Figure 5-27-2

5-28. T4 Post Position Adjustment

1. Confirm that the hole (B) of T4 connection Gear match with the hole of T4 post as shown in figure 5-28-1.
2. Confirm that the portion (C) of T4 connection Gear and hole (A). Those are located as shown in figure 5-28-1.
3. If not, adjust the phase of T4 post.

Note:
This confirmation should be performed on unloading condition.

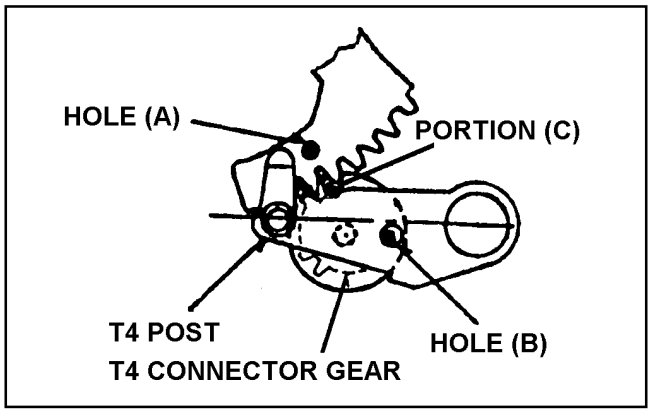


Figure 5-28-1

6. CONNECTOR LOCATION

6-1. Mech. I/F P.C. Board

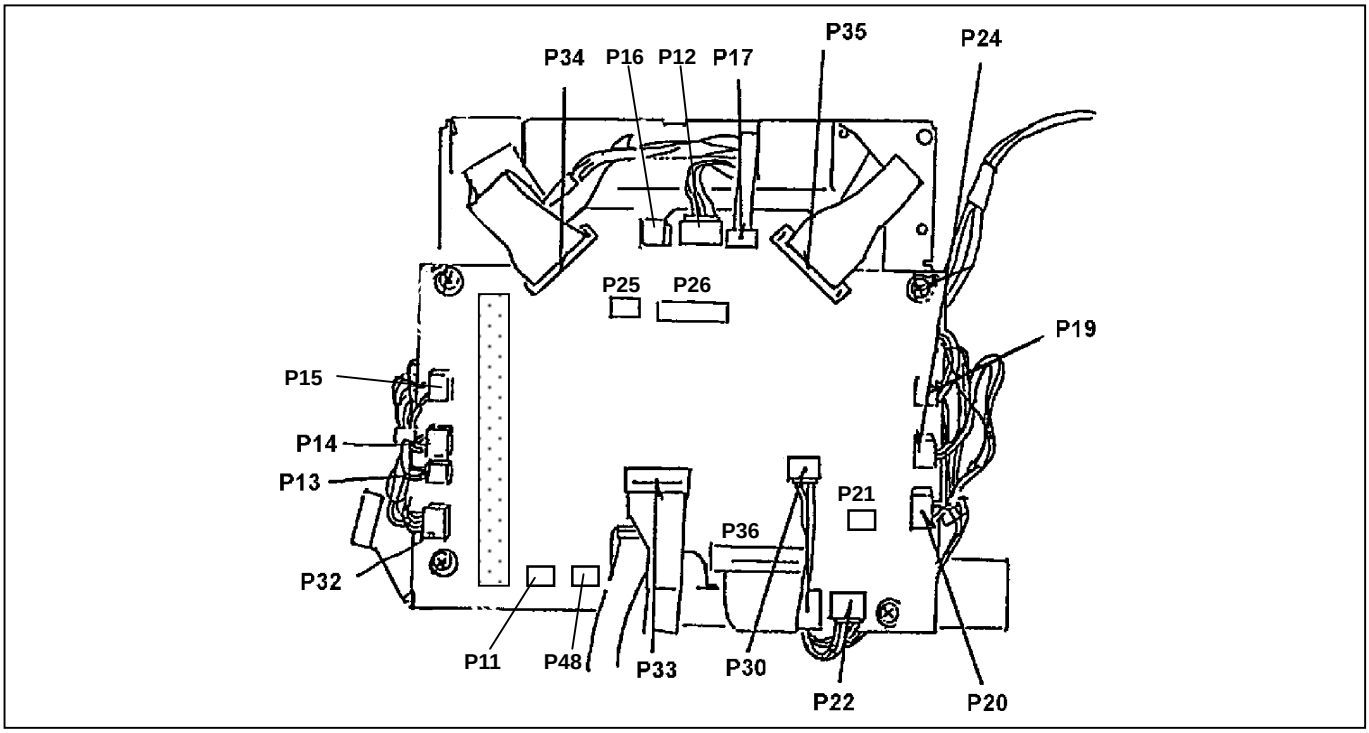


Figure 6-1-1

SECTION 4

ELECTRICAL ADJUSTMENT

CONTENTS

1. POWER SUPPLY UNIT ELE-1
   1-1. Power Supply Voltage Adjustment ELE-1

2. SERVO (F7) ELE-1
   2-1. SERVO FG Offset Adjustment ELE-1
   2-2. Reel Torque Gain Adjustment ELE-2
   2-3. Motor Torque Offset Adjustment ELE-2
   2-4. Tension Sensor Voltage Adjustment (1) ELE-3
   2-5. Tension Sensor Voltage Adjustment (2) ELE-3
   2-6. PG Shifter Adjustment (50M) ELE-4
   2-7. PG Shifter Adjustment (25M) ELE-4

3. RF/EQ (F8) ELE-5
   <Automatic Adjustment Procedure> ELE-5
   <Manual Adjustment Procedure> ELE-12
   3-1. Adjustment Data Initialization ELE-13
   3-2. VCO Center Frequency Value Reading ELE-13
   3-3. Envelope Level Adjustment ELE-14
   3-4. Phase Compensation Adjustment, Confirmation of Error Rate and AEQ Tap Coefficient Values Setting ELE-15
   3-5. REC Frequency Characteristic Setting, REC Current Adjustment, Confirmation of Error Rate ELE-19
   3-6. Storing Adjustment Data ELE-20

4. V OUT (F5) ELE-21
   4-1. Connection ELE-21
   4-2. Reference PLL Center Frequency Adjustment (1) ELE-22
   4-3. Reference CF Detection Adjustment (1) ELE-22
   4-4. Composite Sync DC Level Adjustment ELE-23
   4-5. Composite Y Level Adjustment ELE-23
   4-6. Composite Frequency Characteristic Adjustment ELE-23
   4-7. Composite Y/C gain & Delay Adjustment ELE-24
   4-8. Composite SCH Adjustment (1) ELE-24
   4-9. System Sub-Carrier Phase Adjustment (1) ELE-24
   4-10. Component Sync DC Adjustment ELE-25
   4-11. Component Y Level Adjustment ELE-25
   4-12. Component Frequency Characteristic Adjustment ELE-25
   4-13. Component Pb Level Adjustment ELE-26
   4-14. Component Pr Level Adjustment ELE-26
   4-15. Component Y-Pb Timing Adjustment ELE-27
   4-16. Component Y-Pr Timing Adjustment ELE-27
   4-17. Component Pb Frequency Characteristic Adjustment ELE-28
   4-18. Component Pr Frequency Characteristic Adjustment ELE-28
   4-19. Reference PLL CenterFrequency Adjustment (2) ELE-29
   4-20. Reference CF Detection Adjustment (2) ELE-29
   4-21. Composite SCH Adjustment(2) ELE-30
   4-22. System Sub-Carrier Phase Adjustment (2) ELE-30

5. V IN (F2A:AJ-YA931G) ELE-31
   5-1. Connection and Menu Setting ELE-32
   5-2. PLL DC Adjustment ELE-32
   5-3. Composite Color Demodulation Timing Adjustment ELE-33

5-4. Composite SCH Detection Adjustment ELE-33
5-5. Component Y signal level Adjustment ELE-34
5-6. Component Y Signal Offset level Adjustment ELE-34
5-7. Component Pb Signal Offset level Adjustment ELE-35
5-8. Component Pr signal Offset level Adjustment ELE-35
5-9. Component Pb signal Level Adjustment ELE-36
5-10. Component Pr Signal Level Adjustment ELE-36
5-11. Component Pb Signal Timing Adjustment ELE-37
5-12. Component Pr Signal Timing Adjustment ELE-37
5-13. Composite Y signal Level Adjustment ELE-38
5-14. Composite Y Signal Offset level Adjustment ELE-38
5-15. Composite Pb Signal Offset level Adjustment ELE-39
5-16. Composite Pr signal Offset level Adjustment ELE-39
5-17. Composite Pb signal Level Adjustment ELE-40
5-18. Composite Pr Signal Level Adjustment ELE-40
5-19. Composite Pb/Pr Signal Timing Adjustment ELE-41
5-20. Composite Video Out Phase Adjustment ELE-42
5-21. Composite Vector Adjustment ELE-42

5. V IN (F2A:AJ-YA932G) ELE-43
5-1. Connection and Menu Setting ELE-43
5-2. PLL DC Adjustment ELE-45
5-3. Composite Color Demodulation Timing Adjustment ELE-45
5-4. Composite SCH Detection Adjustment ELE-45
5-5. Component Y signal level Adjustment ELE-46
5-6. Component Y Signal Offset level Adjustment ELE-46
5-7. Component Pb Signal Offset level Adjustment ELE-47
5-8. Component Pr signal Offset level Adjustment ELE-47
5-9. Component Pb signal Level Adjustment ELE-48
5-10. Component Pr Signal Level Adjustment ELE-48
5-11. Component Pb Signal Timing Adjustment ELE-49
5-12. Component Pr Signal Timing Adjustment ELE-49
5-13. Composite Y signal Level Adjustment ELE-50
5-14. Composite Y Signal Offset level Adjustment ELE-50
5-15. Composite Pb Signal Offset level Adjustment ELE-51
5-16. Composite Pr signal Offset level Adjustment ELE-51
5-17. Composite Pb signal Level Adjustment ELE-52
5-18. Composite Pr Signal Level Adjustment ELE-52
5-19. Composite Pb/Pr Signal Timing Adjustment ELE-53
5-20. Composite Video Out Phase Adjustment ELE-54
5-21. Composite Vector Adjustment ELE-54

6. REC/PB (F4) ELE-55
6-1. Setting ELE-55
6-2. V-BLK TELETEXT OFFSET LEVEL Adjustment ELE-55
6-3. V-BLK TELETEXT LEVEL Adjustment ELE-55

7. AUDIO (F1) & RF/CUE ELE-56
7-1. Setting and VR Location ELE-56
7-2. CH1-4 Output Level Adjustment ELE-57
7-3. CH1-4 Input Level Adjustment ELE-57
7-4. REC VR Center Adjustment ELE-57
7-5. CUE BIAS CURRENT Adjustment ELE-58
7-6. CUE PB Level Adjustment ELE-58
7-7. CUE REC/PB Level Adjustment ELE-58
7-8. CUE Noise Cancel Adjustment ELE-59

8. TP, VR and SW Location ELE-60
F1: AUDIO P.C.BOARD (VEP84383A) ELE-60
F2B: A_PROC P.C.BOARD (VEP84384A) ELE-61
F3A: SDI P.C.BOARD (VEP83605A) ELE-61
F4: REC PB P.C.BOARD (VEP83596B/C) ELE-62
F5: V_OUT P.C.BOARD (VEP83597B/C) ELE-63
F6: SYSCON P.C.BOARD (VEP86326B/C) ELE-63
F7: SERVO P.C.BOARD (VEP82246B/C) ELE-64
F8: RF/EQ P.C.BOARD (VEP85207A) ELE-64
RF/CUE P.C.BOARD (VEP85208A) ELE-64
F2A: V_IN P.C.BOARD (VEP83594B:AJ-YA931G) (VEP83594A:AJ-YA932G) (OPTION) ELE-65
F3B: SDTI P.C.BOARD (VEP83595A) (AJ-YAC930G: OPTION) ELE-65

1. POWER SUPPLY UNIT

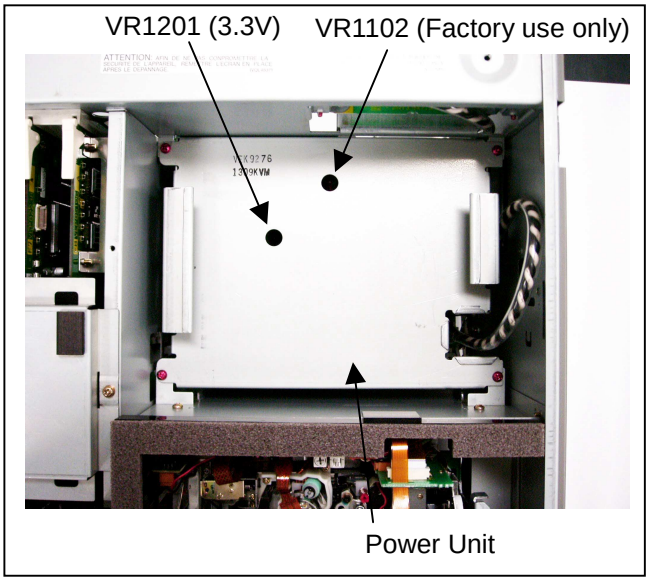
1-1. Power Supply Voltage Adjustment

BOARD	POWER UNIT
TP	TP6 (+5V) (on the extension board)
ADJ.	VR1201 (+3.3V)
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	Digital Voltmeter
SPEC.	+3.20V ± 0.05V

1. Extend the Syscon (F6) board with extension board.
2. Turn ON the power switch, and set to “EJECT” mode.
3. Connect Digital Voltmeter to TP6 on the extension board, and adjust VR1201 so that the DC voltage is in the specification.

<Note>

1. The VR1102 is for factory use only.
2. TP6 is described as “+5V” on the extension board (VFK1192). But this line is used for +3.2V in this model.



2. SERVO (F7)

<For AJ-SD955A>

Set **"070 TV SYSTEM"** of the Setup Menu to **"525"**.

2-1. SERVO FG Offset Adjustment

BOARD	SERVO (F7)
TP	-----
ADJ.	Service Menu
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	-----
SPEC.	-----

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **A00: SERVO ADJUST** and press the “SET” button to open the SERVO ADJUST MENU.
3. Select the **A01 FG DC ADJ**, and Press the “Search” button continuously until “OK” sign is displayed on the right side of A01 FG DC ADJ. (It takes 5-10 seconds.) (During automatic adjustment, the reel motor and brake solenoid are moving.)
4. Close the menu.

<Note>

1. When “NG” sign is displayed or becoming the “AUTO OFF”, do not insert the tape. Check the mechanism condition and servo circuit.
2. When the parts of mechanism is disassembled and assembled, implement this adjustment before inserting a cassette tape.
3. When repairing or changing the mechanism (Capstan/Reel), Servo (F7) board, or Syscon (F6) board, implement this adjustment.

2-2. Reel Torque Gain Adjustment

BOARD	SERVO (F7)
TP	-----
ADJ.	Service Menu
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	Monitor TV
SPEC.	-----

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **A00: SERVO ADJUST** and press the "SET" button to open the SERVO ADJUST MENU.
3. Select the **A02:RL GAIN ADJ** by using the "JOG" dial.
4. Press the "Search" button continuously until the two kind of numeric value displayed on the right side of **RL GAIN ADJ** goes off one time. Release the "Search" button when the both two new numeric value has been updated. (It takes 5-6 seconds.)
5. Perform the Item 4 again. And confirm the numeric value is changed to new value.
6. Close the menu.

<Note>

1. Before "2-3. Motor Torque Offset Adjustment" is done, implement this adjustment.

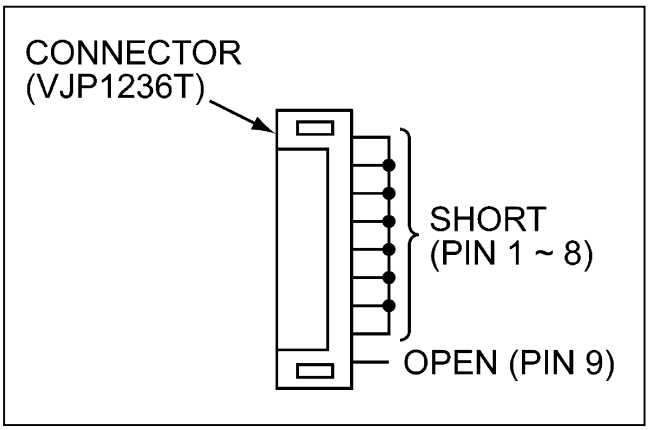
2-3. Motor Torque Offset Adjustment

BOARD	SERVO (F7)
TP	S,T REEL TABLE
ADJ.	SERVICE MENU
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	VFK1191 (Dial Torque Gauge) VFK1152 (Dial Torque Gauge Adaptor)
SPEC.	0.16 ± 0.02 cNm (15g-cm ± 2g-cm) (5 times average)

1. Remove the Front Loading Unit. (Refer to SEC2 Disassembly Procedures)
2. Connect the Carriage tool (see the following figure) to connector P1 which is coming from the MECH. I/F board to Carriage board of the front loading unit.
3. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
4. Select the **A00: SERVO ADJUSTS** and press the "SET" button to open the Servo Adjust menu.
5. Select the **A03: T TORQUE**.
6. Set a Dial Torque Gauge to top of Take-up Reel Table.
7. Press the "Search" button and measure the value of Dial Torque Gauge 5 times, then calculate the average and adjust "T TORQUE" with "Menu" so that the average is in the specification.

Note: While pressing the "Search" button, the REEL Table is rotated.

8. Select the item **A04: S TORQUE**.
9. Set a Dial Torque Gauge to top of Supply Reel Table.
10. Press the "Search" button and measure the value of Dial Torque Gauge 5 times, then calculate the average and adjust "S TORQUE" with "Menu" so that the average is in the specification.
11. Close the Menu.
12. Turn the Power switch to OFF.
13. Disconnect the carriage tool.
14. Install the Front Loading unit.



2-4. Tension Sensor Voltage Adjustment (1)

BOARD	SERVO (F7)
SPEC.	2.5V ± 0.05V
TP	TP201 (F-2)
ADJ.	VR1 (OFFSET) on the Mech. I/F board
MODE	EJECT
TOOL	Digital voltmeter

1. Connect the Digital voltmeter to TP201.
2. Adjust the VR1 on the Mech. I/F board so that the DC voltage is in the specification.

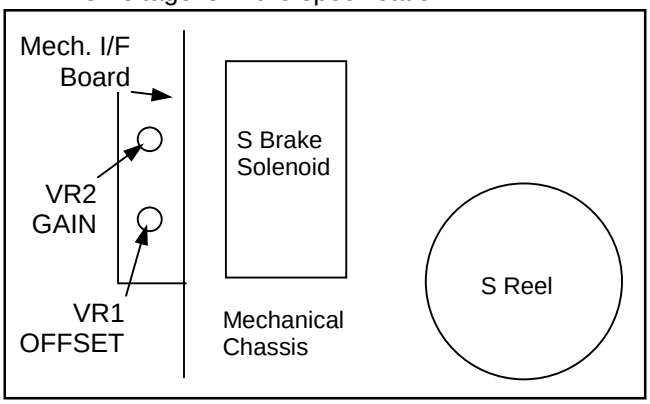


Figure 2-4-1

2-5. Tension Sensor Voltage Adjustment (2)

BOARD	SERVO (F7)
SPEC.	Neutral position : 2.5V ± 0.1V PLAY position : 3.8V ± 0.05V
TP	TP201 (F-2)
ADJ.	Sensor Position, VR2 (GAIN)
MODE	EJECT
TOOL	Digital voltmeter, VFK1208 (Neutral Position Tool, Black with hole) VFK1156 (PLAY Position Tool, Black)

NOTE:
Do not use magnetized tweezers and screwdriver.
Do not touch the magnetize screwdriver to S-Reel FG magnet portion, while adjusting the lever (D) portion.

<Preparation> (See Figure 2-5-1)
1. Loosen the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 2-5-1.
4. Connect the Flexible cable to P3 on the Carriage Board of Front Loading Unit.

<Adjustment Procedure>
1. Open the SERVICE MENU.
2. Select the **A00: SERVO ADJUST** and press the "SET" button to open the SERVO ADJUST MENU.
3. Select the **A09 TENSION**.
4. Install the VFK1208 (black with hole) as shown in figure.
5. Connect the Digital voltmeter to TP201.
6. Rotate JOG dial clockwise pushing Search button so that the mechanism shift to Loading mode. ("on" mark is displayed on **A09 : TENSION**)
7. Confirm the DC voltage at TP201 is 2.5V ± 0.1V (Neutral position). If it is not, adjust the sensor position as follows.
   Loosen the screw (A) and move the lever (D) with tweezers. After adjusting, rotate JOG dial counter clockwise pushing Search button to set the unloading position.
8. Remove the VFK1208 (black with hole), and install the VFK1156 (Black) as same way as VFK1208.
9. Rotate JOG dial clockwise pushing Search buttom so that the mechanism shift to Loading mode. ("on" mark is displayed on **A09 : TENSION**)
10. Adjust the VR2 (GAIN) on the Mech. I/F board so that the DC voltage at TP201 is 3.8V ± 0.05V (PLAY position).
11. Close the Menu.

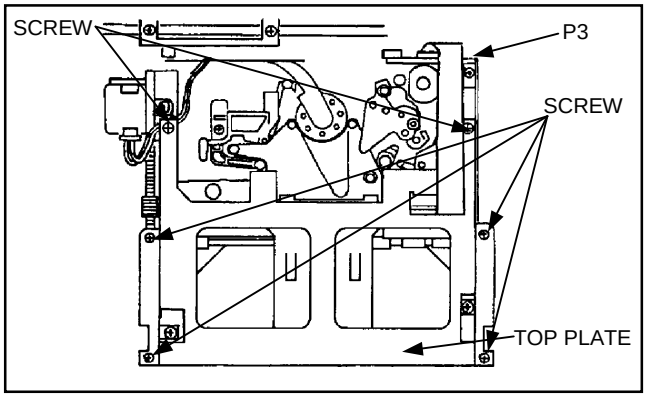


Figure 2-5-1

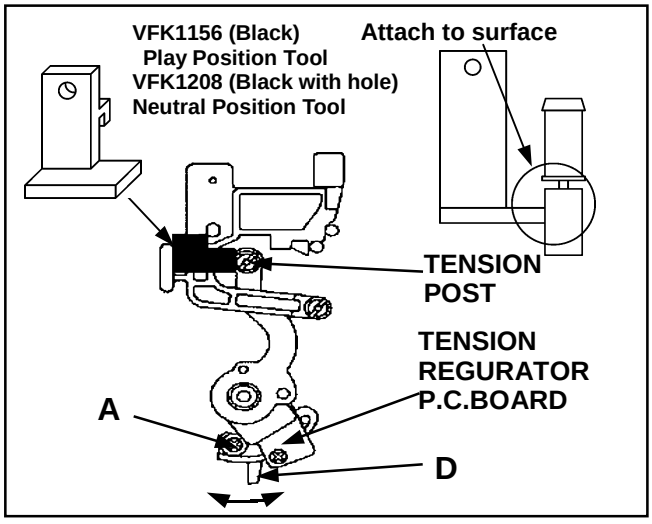


Figure 2-5-2

2-6. PG Shifter Adjustment (50M)

BOARD	SERVO (F7)
TP	-----
ADJ.	Service Menu
TAPE	VFM3580KM/KL
INPUT	-----
MODE	Playback
M. EQ	-----
SPEC.	-----

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **A00: SERVO ADJUST** and press the "SET" button to open the SERVO ADJUST MENU.
3. Select the **A05 PG SHIFT 50**.
4. Playback the color bar portion of the 25M alignment tape.
5. Press the "Search" button continuously until the numeric value displayed on the right side of PG shift 50 goes off one time. Release the "Search" button when the new numeric value has been updated.
6. Close the menu.

2-7. PG Shifter Adjustment (25M)

BOARD	SERVO (F7)
TP	-----
ADJ.	Service Menu
TAPE	VFM3580KM/KL
INPUT	-----
MODE	Playback
M. EQ	-----
SPEC.	-----

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **A00: SERVO ADJUST** and press the "SET" button to open the SERVO ADJUST MENU.
3. Select the **A06 PG SHIFT 25**.
4. Playback the color bar portion of the 25M alignment tape.
5. Press the "Search" button continuously until the numeric value displayed on the right side of PG shift 25 goes off one time. Release the "Search" button when the new numeric value has been updated.
6. Close the menu.

3. RF/EQ (F8)

<Automatic Adjustment Procedure>

(Software)

This software is for Automatic RF Adjustment of DVCPRO50M Studio VTR, AJ-SD930 and AJ-SD955A.

< Function >

1) RF Adjustment (DVCPRO50M/ DVCPRO25M: Rec. and Play, DV: Play)
2) Checking of Error Rate
3) Download and Upload of EVR Data
4) Saving/ Loading the data of Error Rate and EVR
5) Printing the data of Error Rate and EVR

(Before Installation)

* PC Condition

OS : Windows95/ 98/ 98SE/ ME/ 2000 or Over
Display : Over 256 color (if lower than 256 color, the color may have the distortion)

* How to get this software

Download **"Automatic RF Adjustment Software (VFK1806)"** from Jig software page on BSD Web site.

* Installation Method

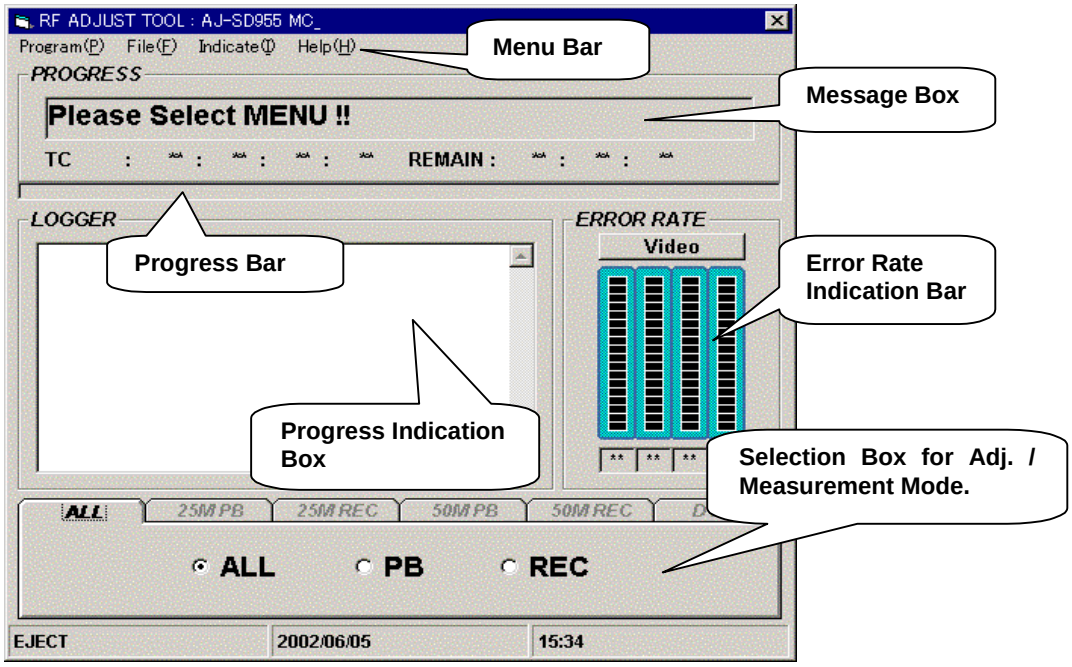
1) Extract the downloaded software.
2) Click **"setup.exe"**.
3) Follow the indication.

* Un-installation Method

Open **"Control Panel"** on Windows and use **"Add/Remove Programs"** to un-install this software.

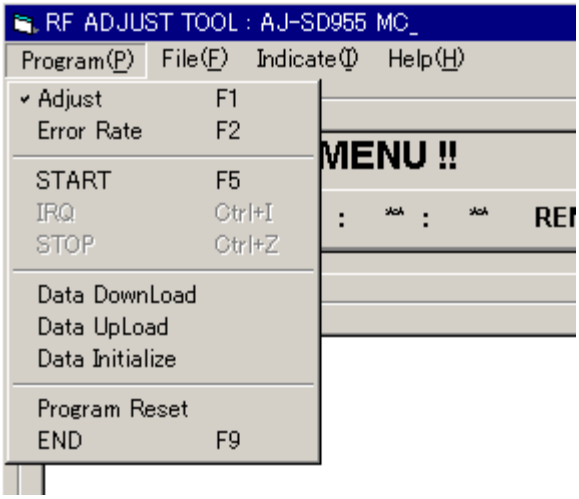
(Explanation of Each Windows)

a) Main Window



a-1) Explanation of Main window and menu bar.

1) Program Menu



[Adjust]
Adjustment program can be selected clicking this portion.

[Error Rate]
Error rate check can be selected clicking this portion.

[START]
Adjustment or Error rate checking can be started by clicking this portion.

[IRQ]
Break into the program during execution by clicking this portion. (It is effective, only on limited process.)

[STOP]
The program can be stopped, forcibly by clicking this portion.

[Data Download]
Receiving EVR data to PC from VTR connected (VTR to PC)

[Data Upload]
Transfer the RF adjustment data from PC to VTR for setting up. (PC to VTR)

* Data Upload can not be functioned unless **"Data Download"**, **"Load on File menu"** or **all adjustment program** is executed.

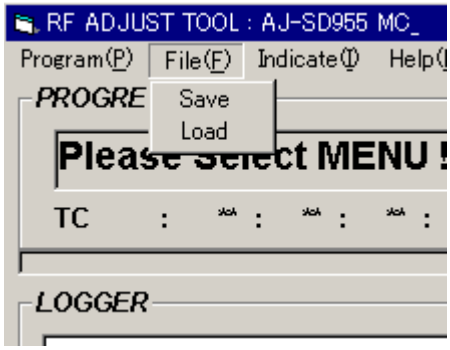
[Data Initialize (include Upload)]
Setting up the RF initial adjustment data into VTR connected.

[Program Reset]
All part of application program can be reset.

[END]
By clicking this portion, application software can be closed.

2) File menu

By clicking this, error rate data and EVR data can be processed as a file.



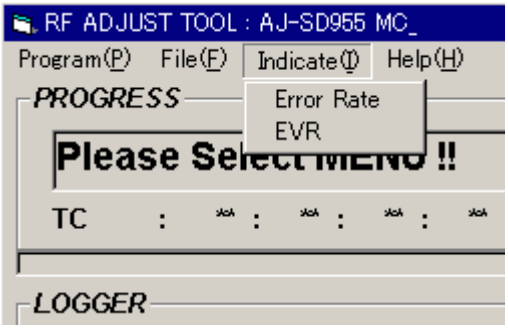
[Save]
Error rate and/or EVR data can be saved on the file.
During this mode, following file can be made. ***.dst

* This item can not be functioned unless **"Data Download"**, **"Load on File menu"** or **all adjustment program** is executed.

[Load]
Error rate and/ or EVR data can be loaded from the file (***.dst).

3) Indicate Menu

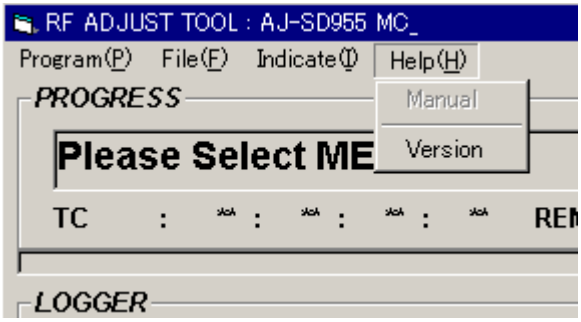
This is the menu which indicate ErrorRate/ EVR (Adjustment value)



[Error Rate]
Error rate data can be displayed.

[EVR]
EVR data can be displayed.

4) Help Menu



[Manual]
The Operating Instruction Manual for this software will be in this menu.
(Current software version doesn't have this function)

[Version]
Software version is displayed.

a-2) Adjustment/ Measurement item selection BOX

1) Selection of Adjustment/ Measurement category



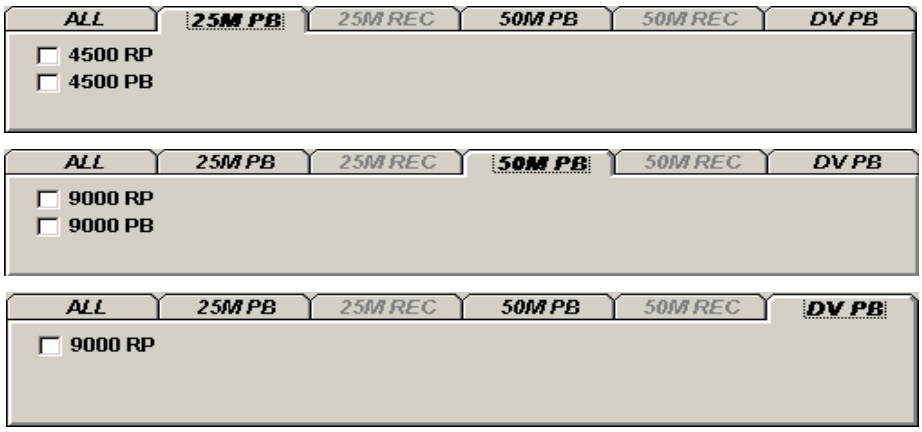
[ALL]
All items are selected.

[PB]
Playback category is selected. 25M PB, 50M PB or DV PB can be individually selected.

[REC]
Recording category is selected. 25M REC or 50M REC can be individually selected.

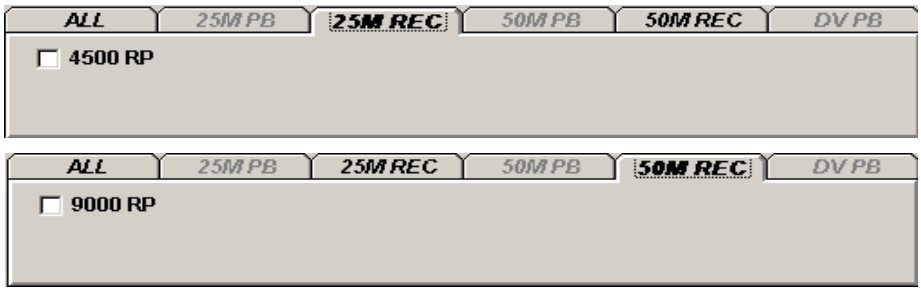
2) Selection of Playback category

Select each item according to the one which the adjustment (measurement) is required.
Check mark on the BOX shows that its item is selected (valid)



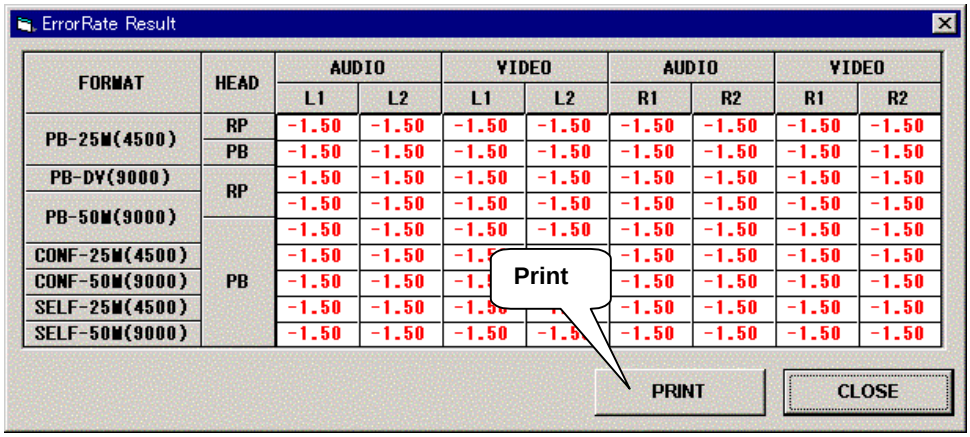
3) Selection of Recording Category

Select each item according to the one which the adjustment (measurement) is required.
Check mark on the BOX shows that its item is selected (valid)



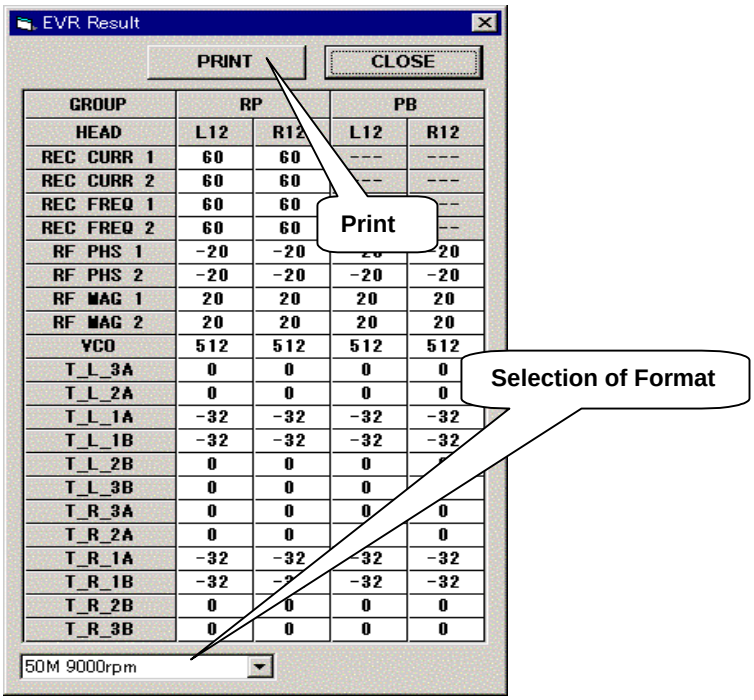
b) The result of error rate

The error rate data can be displayed and printed.



c) EVR value Chart

The EVR value (adjustment data) can be displayed and printed.



(Auto EQ Adjustment Procedure)

A) Preparation

1) Connect the VTR with PC by RS232C cable (Cross cable) as below.

Connect the VTR with personal computer by RS232C cable (Cross cable) as below.

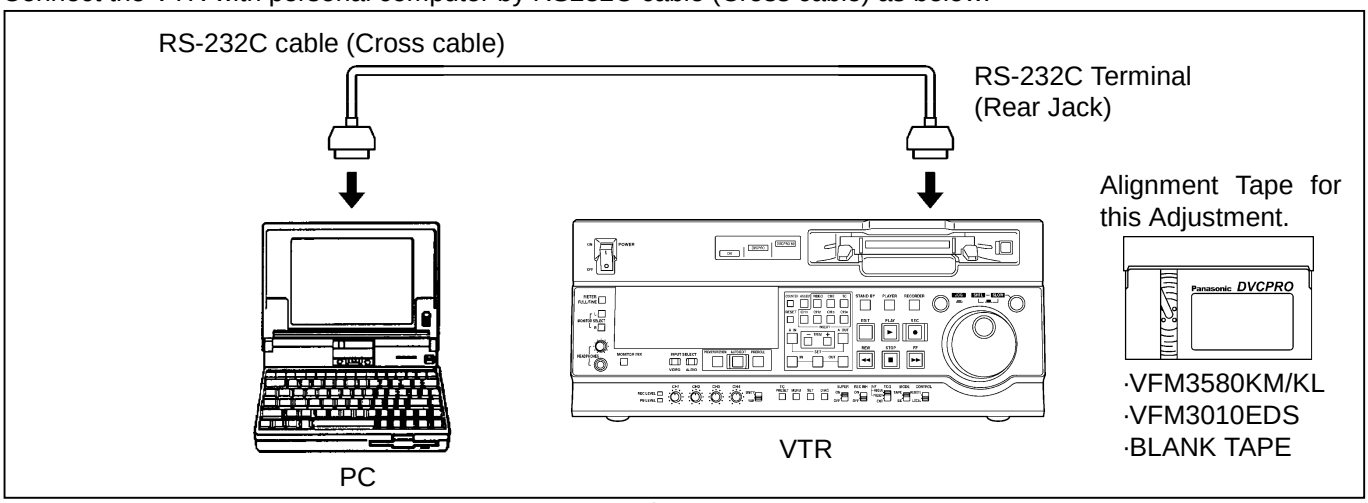
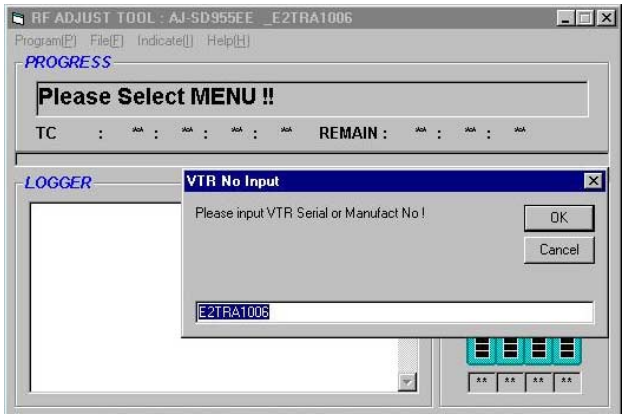


Figure A

2) Turn the VTR power on.
3) Press the menu button to open the set-up menu.
4) Select 070 TV SYSTEM and set it to **"525"**.(only AJ-SD955A)
5) Select 204 RS232C SEL and set it to **"ON"**.
6) Set the LOCAL/ REMOTE SW to **"ON"**.

B) Excution of Software Application.

1) Confirm that the VTR power is on.
2) Select start → Program → Panasonic Tool → D955Rf in the Start menu program in PC.
3) Main screen of the application software appears.
4) Open the program menu and select as follows;
   Adjustment: Select **"Program → Adjust"**.
   Measurement: Select **"Program → Error Rate"**.
5) Select the item needed about adjustment & measurement from. Adjustment/ Measurement item selection BOX (refer to (a-2)).
6) Select **"Program → Start"**
7) Serial no is displayed. Press "OK" button. (The information on this window can be changed and added.)



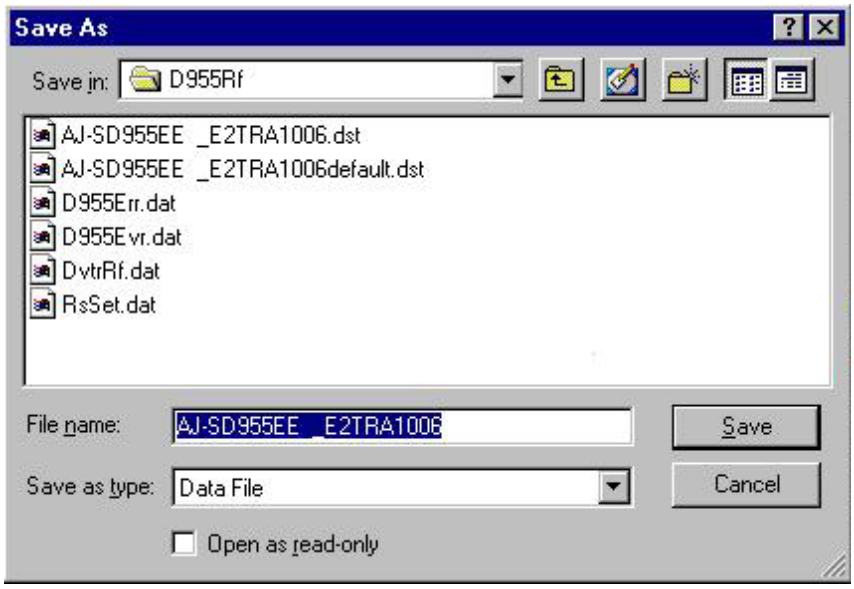
8) Follow the indication on the message box. Then adjustment is started automatically.
9) Error result is displayed after excuting the adjustment program. Press close button after confirming it.
10) Select **"File → Save"** in order to save the Error rate data & EVR data to PC. If it is not needed to save them, skip this process.

(Caution)

This item can not be functioned unless **"Data Download"**, **"Load on File menu"** or **all adjustment program** is excuted.

11) The screen of item (7) appears again. Press **"OK"** button if serial data information is not needed to change.

12) Following screen appears. Press **"SAVE"** button.



(Reference)

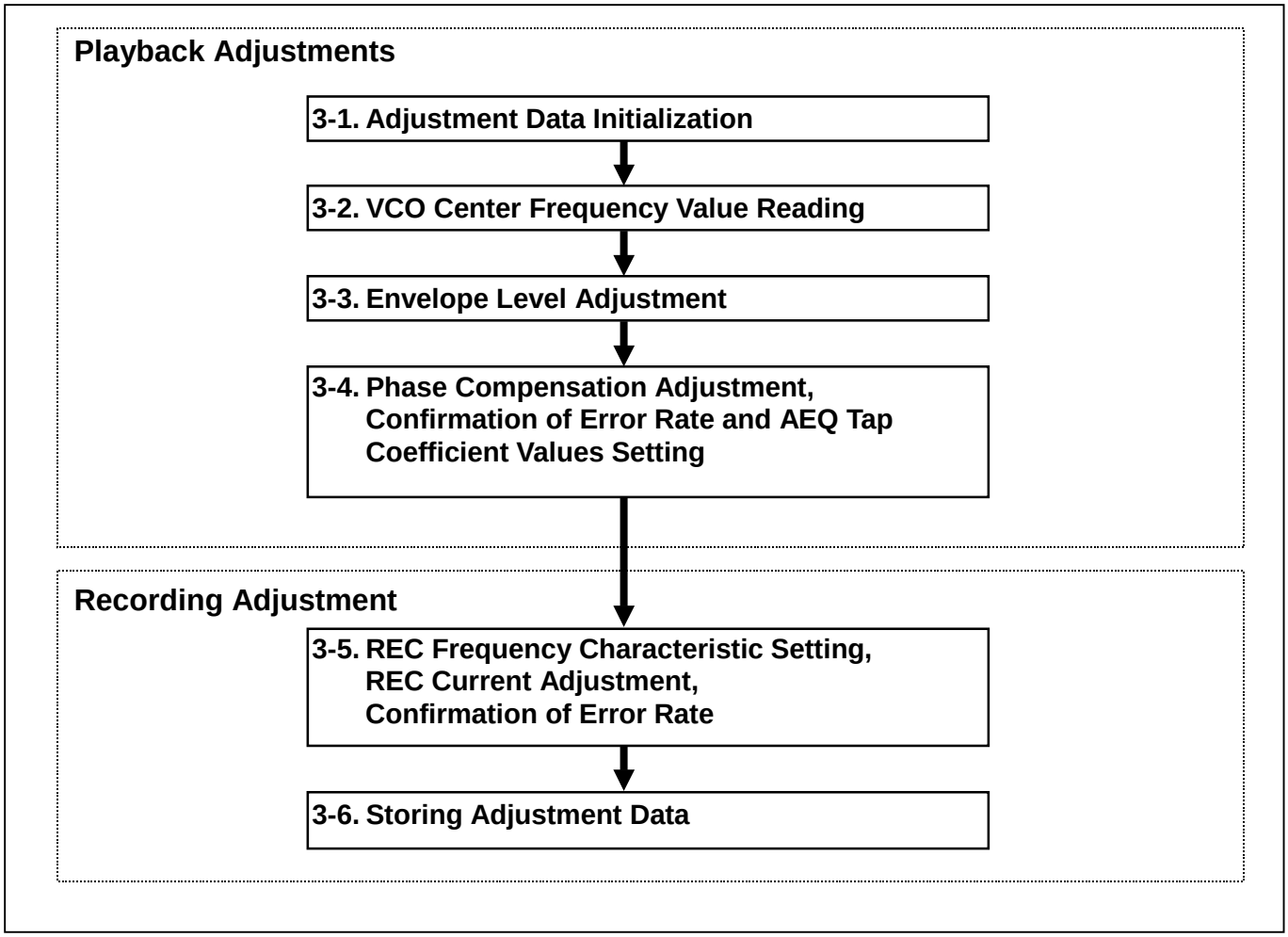
1) Storing the adjustment data by manual is not necessary because the adjustment data is automatically stored in the memory after finishing the Automatic Equalizer adjustment.
2) Select **"Program STOP"** if the program needs to be stopped.
3) Remaining time of the tape is monitored by this program. VTR automatically rewind the tape when the Tape remaining time isn't enough for adjustment or measurement. (Select **"Program → IRQ"** if need to stop REW mode.)

<Manual Adjustment Procedure>

The adjustment of this section is performed after adjusting the SERVO Board (F7).
Perform the initial setting before performing the adjustments of this section.

This adjustment mainly uses the Service Menu. The procedures for opening the menu, changing the settings and closing the menu are described in the Service Information (INF-32).

Perform the adjustments of these items according to the following flowchart.



3-1. Adjustment Data Initialization

Initialize the adjustment values for the following items before starting the adjustment. (It may not be possible to obtain the best values if the adjustment is performed without the initialized values.)

<For AJ-SD955A>

Set **"070 TV SYSTEM"** of the Setup Menu to **"525"**.

1. Insert the DVCPRO alignment tape. (VFM3580KM(L)).
2. Press the MENU button to open the Service Menu.
3. Open **"B00: RF ADJUST"** in the Service Menu.
4. Open **"P00: DVCPRO 50M ADJUST"** in the Service Menu.
5. Open **"P-4 DEFAULT"** in the Service Menu.
6. Select **"INIT LOAD"**. Press the SET button to complete the initialization of the 50M mode adjustment values.
7. Press the MENU button to return to the RF ADJUST menu.
8. Open **"Q00: DVCPRO 25M ADJUST"** in the Service Menu.
9. Open **"Q-4 DEFAULT"** in the Service Menu.
10. Select **"INIT LOAD"** and press the SET button to complete the initialization of the 25M mode adjustment values.
11. Press the MENU button to return to the RF ADJUST menu.
12. Open **"R00: DV ADJUST"** in the Service Menu.
13. Open **"R-4 DEFAULT"** in the Service Menu.
14. Select **"INIT LOAD"** and press the SET button to complete the initialization of the DV mode adjustment values.

3-2. VCO Center Frequency Value Reading

BOARD	RF/EQ (F8)
TP	-----
ADJ.	Service Menu
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	-----
SPEC.	-----

<DVCPRO 50M ADJUST (PB)>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **P00: DVCPRO 50M ADJUST** in the Service Menu.
3. Open **P-2: PB ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **P53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **P27, 28: VCO L(R)** adjustment value is automatically set. (Confirm that the **P27, 28: VCO L(R)** adjustment value is changed from default value)
7. Change the setting of **P53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<DVCPRO 50M ADJUST (RP)>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **P00: DVCPRO 50M ADJUST** in the Service Menu.
3. Open **P-3: RP ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **P53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **P27, 28: VCO L(R)** adjustment value is automatically set. (Confirm that the **P27, 28: VCO L(R)** adjustment value is changed from default value)
7. Change the setting of **P53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<DVCPRO 25M ADJUST (PB)>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **Q00: DVCPRO 25M ADJUST** in the Service Menu.
3. Open **Q-2: PB ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **Q53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **Q27, 28: VCO L(R)** adjustment value is automatically set. (Confirm that the **Q27, 28: VCO L(R)** adjustment value is changed from default value)
7. Change the setting of **Q53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<DVCPRO 25M ADJUST (RP)>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **Q00: DVCPRO 25M ADJUST** in the Service Menu.
3. Open **Q-3: RP ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **Q53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **Q27, 28: VCO L(R)** adjustment value is automatically set. (Confirm that the **Q27, 28: VCO L(R)** adjustment value is changed from default value)
7. Change the setting of **Q53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<DV ADJUST>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **R00: DV ADJUST** in the Service Menu.
3. Open **R-3: RP ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **R53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **R27, 28: VCO L(R)** adjustment value is automatically set. (Confirm that the **R27, 28: VCO L(R)** adjustment value is changed from default value)
7. Change the setting of **R53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

3-3. Envelope Level Adjustment

BOARD	RF/EQ (F8)
TP	TP5101 (EQ ENV) TP5702 (PBL HSW) TP6702 (RPL HSW)
ADJ.	Service Menu
TAPE	NTSC : VFM3580KM(L)/ VFM3010EMS (PAL : VFM3680KM(L)/ VFM3110EMS) Alignment Tape (Colour Bar)
INPUT	Internal SG (Color bar)
MODE	PLAY
M. EQ	Oscilloscope
SPEC.	A= 0.7VDC ± 0.1VDC (refer to figure 3-3-1)

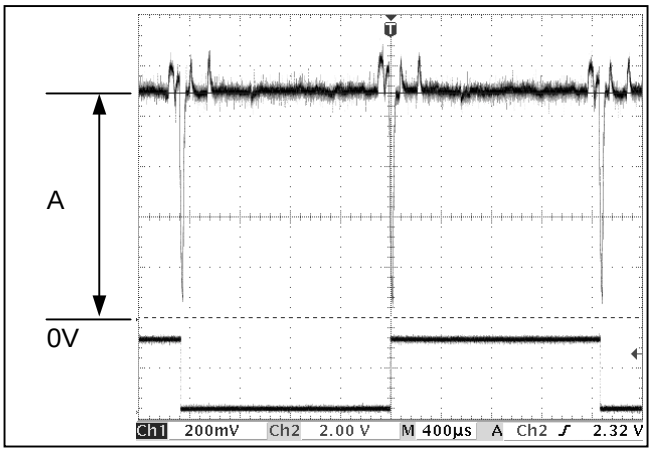


Figure.3-3-1

<<DVCPRO50 RF Envelope level Adjustment>>

1. Playback DVCPRO alignment tape.
2. Open **B00: RF ADJUST** in the Service Menu.
3. Open **P00: DVCPRO 50M ADJUST** in the Service Menu.
4. Open **P-2: PB ADJUST** in the Service Menu.

<DVCPRO 50M PB Envelope Adjustment>

5. Confirm that **P66: MONI KINDSEL** is selected to ENV.
6. Set the **P67: MONI CHSEL** to **PBL**.
7. Adjust **P03: MAGL1, P04: MAGL2** so that RF envelope level on TP5101 meet the SPEC. (A=0.7VDC ± 0.1VDC: refer to figure 3-3-1)
8. Set the **P67: MONI CHSEL** to **PBR**.
9. Adjust **P07: MAGR1, P08: MAGR2** so that RF envelope level on TP5101 meet the SPEC. (A=0. 7VDC ± 0.1VDC: refer to figure 3-3-1.)
10. Press menu button after pressing set button.

<DVCPRO 50M RP Envelope Adjustment>

11. Open **P-3 RP ADJUST** (DVCPRO50M RP) in the Service menu.
12. Confirm that **P66: MONI KINDSEL** is selected to ENV.
13. Set the **P67: MONI CHSEL** to **RPL**.
14. Adjust **P03: MAGL1, P04: MAGL2** so that RF envelope level on TP5101 meet the SPEC. (A=0. 7VDC ± 0.1VDC: refer to figure 3-3-1.)
15. Set the **P67:MONI CHSEL** to **RPR**.
16. Adjust **P07:MAGR1, P08:MAGR2** so that RF envelope level on TP5101 meet the SPEC. (A=0.7VDC ± 0.1VDC: refer to figure 3-3-1)
17. Press menu button twice after pressing set button.

<<DVCPRO25 RF Envelope level Adjustment>>

1. Playback DVCPRO alignment tape.
2. Open **B00: RF ADJUST** in the Service Menu.
3. Open **Q00: DVCPRO 25M ADJUST** in the Service Menu.
4. Open the **Q-2: PB ADJUST** in the Service Menu.

<DVCPRO 25M PB Envelope Adjustment>

5. Confirm that **P66: MONI KINDSEL** is selected to ENV.
6. Set the **P67: MONI CHSEL** to **PBL**.
7. Adjust **Q03: MAGL1, Q04: MAGL2** so that RF envelope level on TP5101 meet the SPEC. (A=0.7VDC ± 0.1VDC: refer to figure 3-3-1.)
8. Set the **P67: MONI CHSEL** to **PBR**.
9. Adjust **Q07: MAGR1, Q08: MAGR2** so that RF envelope level on TP5101 meet the SPEC. (A=0. 7VDC ± 0.1VDC: refer to figure 3-3-1.)
10. Press menu button after pressing set button.

<DVCPRO 25M RP Envelope Adjustment>

11. Open **Q-3 RP ADJUST** (DVCPRO50M RP) in the Service menu.
12. Confirm that **P66: MONI KINDSEL** is selected to ENV.
13. Set the **P67: MONI CHSEL** to **RPL**.
14. Adjust **Q03: MAGL1, Q04: MAGL2** so that RF envelope level on TP5101 meet the SPEC. (A=0. 7VDC ± 0.1VDC: refer to figure 3-3-1.)
15. Set the **P67:MONI CHSEL** to **RPR**.
16. Adjust **Q07:MAGR1, Q08:MAGR2** so that RF envelope level on TP5101 meet the SPEC. (A=0.7VDC ± 0.1VDC: refer to figure 3-3-1)
17. Press menu button twice after pressing set button.

<<DV RF Envelope level Adjustment>>

1. Playback DV alignment tape.
2. Open **B00: RF ADJUST** in the Service Menu.
3. Open **R00: DV ADJUST** in the Service Menu.
4. Open the **R-3: RP ADJUST** in the Service Menu.

<DV RPL Envelope Adjustment>

5. Confirm that **P66: MONI KINDSEL** is selected to ENV.
6. Set the **P67: MONI CHSEL** to **RPL**.
7. Set the **R71: TRACKING MOD-AUDIO_L**
8. Wait until Envelope level is maximized.
9. Adjust **R72: TRACKING VAL** so that Envelope level is maximized.
10. Adjust **R03:MAGL1, R04:MAGL2** so that RF envelope level on TP5101 meet the SPEC. (A=0.7VDC ± 0.1VDC: refer to figure 3-3-1.)

<DV RPR Envelope Adjustment>

11. Confirm that **R66: MONI KINDSEL** is selected to ENV.
12. Set the **R67: MONI CHSEL** to **RPR**
13. Set the **R71: TRACKING MOD-AUTO_R**
14. Wait until Envelope level is maximized.
15. Adjust **R72: TRACKING VAL** so that Envelope level is maximized.
16. Adjust **R07: MAGR1, R08:MAGR2** so that RF envelope level on TP5101 meet the SPEC. (A=0.7VDC ± 0.1VDC: refer to figure 3-3-1.)
17. Press menu button 4 times after pressing set button.

3-4. Phase Compensation Adjustment, Confirmation of Error Rate and AEQ Tap Coefficient Values Setting

BOARD	RF/EQ (F8)
TP	-----
ADJ.	Service Menu
TAPE	① Alignment Tape (Colour Bar) NTSC : VFM3580KM(L)/ VFM3010EMS (PAL : VFM3680KM(L)/ VFM3110EMS) ② Blank Tape
INPUT	-----
M. EQ	-----
SPEC.	Under the A position at level meter (refer to page ELE-7)

<<DVCPRO 50M Adjustment(PB)>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **P00 DVCPRO50M ADJUST** in the Service Menu.
3. Open **P-2 PB ADJUST** in the Service Menu.

<Phase Compensation Adjustment>

1. Playback the DVCPRO Alignment Tape.
2. Set the **P60: VITERBI MODE** to off.
3. Set the **P62: AEQ MODE** to off.
4. Set the **P73: ATF HEAD** to **PB**.
5. Adjust **P01: PHS L1** and **P02: PHS L2** so that the error rate is at the minimum level.
6. Adjust **P05: PHS R1** and **P06: PHS R2** so that the error rate is at the minimum level.
7. Press the SET button.

(Reference)

Increase the adjustment value until error rate becomes worst, then decrease it to make the error better. Error rate becomes better as the value is decreased, but it can not be improved after passing a certain point (point A). Find this point (adjustment value) and set the adjustment value to following value.

Final adjustment value
= Adjustment value at point A - 10

<Confirmation of error rate>

1. Set the **P60: VITERBI MODE** to **AUTO**.
2. Set the **P62: AEQ MODE** to **ON**.
3. Set the **P70: ERROR MODE** to **SLOW**.
4. Set the **P73: ATFHEAD** to **PB**.
5. Confirm that Error rate of Video & Audio meets the SPEC..(Refer to page ELE-18.)
6. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient Setting>

1. Confirm that the **P60: VITERBI MODE** is set to AUTO.
2. Confirm that the **P62: AEQ MODE** is set to ON.
3. Confirm that the **P67: MONICHSEL** is set to OFF AEQ Tap Coefficient Setting can not be excuted if this menu is not set to OFF.
4. Select **P53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
5. Press the SET button so that the value of P29-52 is automatically set. (Confirm that the the value of P29-52 is changed from default value)
6. Change the setting of **P53: ICREAD** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<<DVCPRO50M ADJUST(RP)>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **P00 DVCPRO50M ADJUST** in the Service Menu.
3. Open **P-3 RP ADJUST** in the Service Menu.

<Phase Compensation Adjustment>

1. Playback the DVCPRO Alignment Tape.
2. Set the **P60: VITERBI MODE** to off.
3. Set the **P62: AEQ MODE** to off.
4. Set the **P73: ATF HEAD** to **RP**.
5. Adjust **P01: PHS L1** and **P02: PHS L2** so that the error rate is at the minimum level.
6. Adjust **P05: PHS R1** and **P06: PHS R2** so that the error rate is at the minimum level.
7. Press the SET button.

(Reference)

Increase the adjustment value until error rate becomes worst, then decrease it to make the error better. Error rate becomes better as the value is decreased, but it can not be improved after passing a certain point (point A). Find this point (adjustment value) and set the adjustment value to following value.

Final adjustment value
= Adjustment value at point A - 10

<Confirmation of error rate>

1. Set the **P60: VITERBI MODE** to **AUTO**.
2. Set the **P62: AEQ MODE** to **ON**.
3. Set the **P70: ERROR MODE** to **SLOW**.
4. Set the **P73: ATFHEAD** to **RP**.
5. Confirm that Error rate of Video & Audio meets the SPEC. (Refer to page ELE-18.)
6. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient Setting>

1. Confirm that the **P60: VITERBI MODE** is set to AUTO.
2. Confirm that the **P62: AEQ MODE** is set to ON.
3. Confirm that the **P67: MONICHSEL** is set to OFF AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
4. Select **P53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
5. Press the SET button so that the value of P29-52 is automatically set. (Confirm that the value of P29-52 is changed from default value)
6. Change the setting of **P53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<<DVCPRO 25M ADJUST(PB)>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **Q00 DVCPRO25M ADJUST** in the Service Menu.
3. Open **Q-2 PB ADJUST** in the Service Menu.

<Phase Compensation Adjustment>

1. Playback the DVCPRO Alignment Tape.
2. Set the **Q60: VITERBI MODE** to off.
3. Set the **Q62: AEQ MODE** to off.
4. Set the **Q73: ATF HEAD** to **PB**.
5. Adjust **Q01: PHS L1** and **Q02: PHS L2** so that the error rate is at the minimum level.
6. Adjust **Q05: PHS R1** and **Q06: PHS R2** so that the error rate is at the minimum level.
7. Press the SET button.

(Reference)

Increase the adjustment value until error rate becomes worst, then decrease it to make the error better. Error rate becomes better as the value is decreased, but it can not be improved after passing a certain point (point A). Find this point (adjustment value) and set the adjustment value to following value.

Final adjustment value = Adjustment value at point A - 10

<Confirmation of error rate>

1. Set the **Q60: VITERBI MODE** to **AUTO**.
2. Set the **Q62: AEQ MODE** to **ON**.
3. Set the **Q70: ERROR MODE** to **SLOW**.
4. Set the **Q73: ATFHEAD** to **PB**.
5. Confirm that Error rate of Video & Audio meets the SPEC..(Refer to page ELE-18.)
6. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient Setting>

1. Confirm that the **Q60: VITERBI MODE** is set to AUTO.
2. Confirm that the **Q62: AEQ MODE** is set to ON.
3. Confirm that the **Q67: MONICHSEL** is set to OFF AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
4. Select **Q53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
5. Press the SET button so that the value of Q29-52 is automatically set. (Confirm that the the value of Q29-52 is changed from default value)
6. Change the setting of **Q53: ICREAD** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<<DVCPRO25M ADJUST(RP)>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **Q00 DVCPRO25M ADJUST** in the Service Menu.
3. Open **Q-3 RP ADJUST** in the Service Menu.

<Phase Compensation Adjustment>

1. Playback the DVCPRO Alignment Tape.
2. Set the **Q60: VITERBI MODE** to off.
3. Set the **Q62: AEQ MODE** to off.
4. Set the **Q73: ATF HEAD** to **PB**.
5. Adjust **Q01: PHS L1** and **Q02: PHS L2** so that the error rate is at the minimum level.
6. Adjust **Q05: PHS R1** and **Q06: PHS R2** so that the error rate is at the minimum level.
7. Press the SET button.

(Reference)

Increase the adjustment value until error rate becomes worst, then decrease it to make the error better. Error rate becomes better as the value is decreased, but it can not be improved after passing a certain point (point A). Find this point (adjustment value) and set the adjustment value to following value.

Final adjustment value = Adjustment value at point A - 10

<Confirmation of error rate>

1. Set the **Q60: VITERBI MODE** to **AUTO**.
2. Set the **Q62: AEQ MODE** to **ON**.
3. Set the **Q70: ERROR MODE** to **SLOW**.
4. Set the **Q73: ATFHEAD** to **RP**.
5. Confirm that Error rate of Video & Audio meets the SPEC. (Refer to page ELE-18.)
6. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient Setting>

1. Confirm that the **Q60: VITERBI MODE** is set to AUTO.
2. Confirm that the **Q62: AEQ MODE** is set to ON.
3. Confirm that the **Q67: MONICHSEL** is set to OFF AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
4. Select **Q53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
5. Press the SET button so that the value of Q29-52 is automatically set. (Confirm that the value of Q29-52 is changed from default value)
6. Change the setting of **Q53: ICREAD** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<<DV ADJUST>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **R00 DV ADJUST** in the Service Menu.
3. Open **R-3 RP ADJUST** in the Service Menu.

<RPL Envelope MAX Tracking Adjustment>

1. Playback the DV Color bar Master Tape.
2. Confirm that **R66: MONI KINDSEL** is set to ENV.
3. Confirm that **R67: MONI CHSEL** is set to RPL.
4. Set the **R71: TRACKING** to **MOD-AUTO_L**.
5. Press STOP and then PLAY button.
6. Wait unit Envelope level become maximum.
7. Adjust **R72: TRACKING VAL** slightly so that Envelope level become Maximum.

<RPL Phase Compensation Adjustment>

1. Playback the DV Colorbar Master Alignment Tape.
2. Set the **R60: VITERBI MODE** to off.
3. Set the **R62: AEQ MODE** to off.
4. Adjust **R01: PHS L1** and **R02: PHS L2** so that the error rate is at the minimum level.
5. Press the SET button.

(Reference)

In case error rate is difficult to check because LED light on more than 15pcs, set the **R60: VITERBI MODE** to AUTO to adjust it.

<Confirmation of error rate>

1. Set the **R60: VITERBI MODE** to **AUTO**.
2. Set the **R62: AEQ MODE** to **ON**.
3. Set the **R70: ERROR MODE** to **SLOW**.
4. Confirm that Error rate of Video & Audio meets the SPEC..(Refer to page ELE-18.)
5. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient (RPL) Setting>

1. Confirm that the **R60: VITERBI MODE** is set to AUTO.
2. Confirm that the **R62: AEQ MODE** is set to ON.
3. Set the **R71: TRACKING** to **MOD-AUTO_ L**.
4. Set the **R67: MONICHSEL** is set to OFF. AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
5. Select **R53: IC READ** and change the setting from **“OFF”** to **“SINGLE”**.
6. Press the SET button so that the value of R29-40 is automatically set. (Confirm that the value of R29-40 is changed from default value)
7. Change the setting of **R53: IC READ** from **“SINGLE”** to **“OFF”** and press the **“SET”** button.

<RPR Envelope MAX Tracking Adjustment>

1. Playback the DV Color bar Master Tape.
2. Confirm that **R66: MONI KINDSEL** is set to ENV.
3. Confirm that **R67: MONI CHSEL** is set to RPR.
4. Set the **R71: TRACKING** to **MOD-AUTO_ R**.
5. Press STOP and then PLAY button.
6. Wait until Envelope level become maximum.
7. Adjust **R72: TRACKING VAL** slightly so that Envelope level become Maximun.

<RPR Phase Compensation Adjustment>

1. Playback the DV Colorbar Master Alignment Tape.
2. Set the **R60: VITERBI MODE** to off.
3. Set the **R62: AEQ MODE** to off.
4. Adjust **R01: PHS R1** and **R02: PHS R2** so that the error rate is at the minimum level.
5. Press the SET button.

(Reference)

In case error rate is difficult to check because LED light on more than 15pcs, set the **R60: VITERBI MODE** to **AUTO** to adjust it.

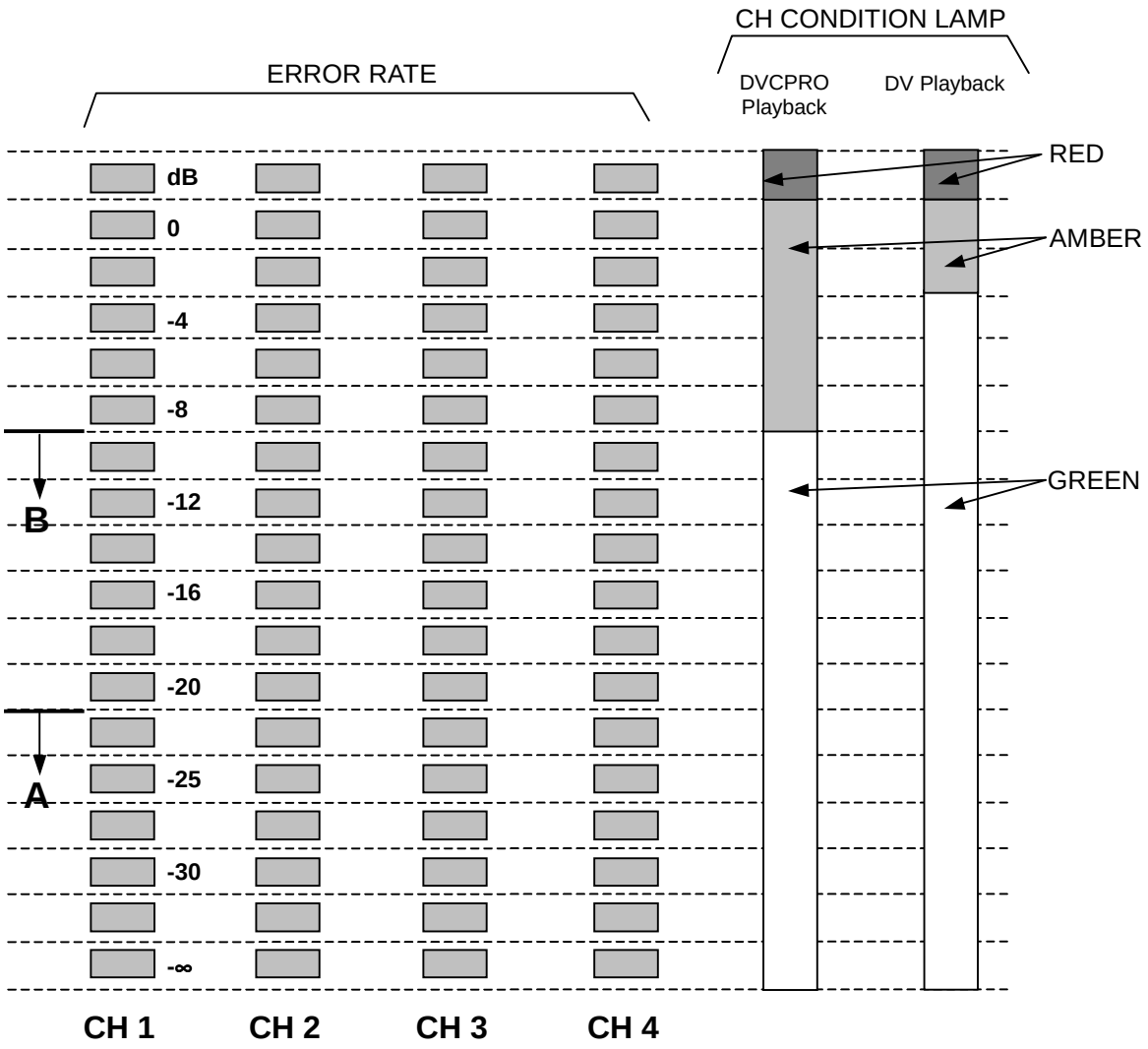
<Confirmation of error rate>

1. Set the **R60: VITERBI MODE** to **AUTO**.
2. Set the **R62: AEQ MODE** to **ON**.
3. Set the **R70: ERROR MODE** to **SLOW**.
4. Confirm that Error rate of Video & Audio meets the SPEC.. (Refer to page ELE-18.)
5. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient (RPL) Setting>

1. Confirm that the **R60: VITERBI MODE** is set to AUTO.
2. Confirm that the **R62: AEQ MODE** is set to ON.
3. Set the **R71: TRACKING** to **MOD-AUTO_R**.
4. Set the **R67: MONI CHSEL** is set to OFF AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
5. Select **R53: IC READ** and change the setting from **“OFF”** to **“SINGLE”**.
6. Press the SET button so that the value of R41-52 is automatically set. (Confirm that the value of R41-52 is changed from default value)
7. Change the setting of **R53: IC READ** from **“SINGLE”** to **“OFF”** and press the **“SET”** button.

Specification of Error Rate



DVCPRO50/DVCPRO25

ATF HEAD	TCG SW	CH 1	CH 2	CH 3	CH 4
PB	INT REGEN	PBL1 VIDEO	PBL2 VIDEO	PBR1 VIDEO	PBR2 VIDEO
	INT PRESET	PBL1 AUDIO	PBL2 AUDIO	PBR1 AUDIO	PBR2 AUDIO
RP	INT REGEN	RPL1 VIDEO	RPL2 VIDEO	RPR1 VIDEO	RPR2 VIDEO
	INT PRESET	RPL1 AUDIO	RPL2 AUDIO	RPR1 AUDIO	RPR2 AUDIO

DV

ATF HEAD	TCG SW	CH 1	CH 2	CH 3	CH 4
RP	INT REGEN	RPL1 VIDEO	RPL2 VIDEO	RPR1 VIDEO	RPR2 VIDEO
	INT PRESET	RPL1 AUDIO	RPL2 AUDIO	RPR1 AUDIO	RPR2 AUDIO

TCG SW

INT REGEN	VIDEO Error rate is displayed
INT PRESET	AUDIO Error rate is displayed

Specification of Error Rate

	VTR mode	Specification of Error Rate
DVCPRO (PB)	DVCPRO (PB Head) alignment tape playback	Under the “A” position at level meter
DV (R/P)	DV (RP Head) Alignment tape playback	Under the “A” position at level meter
DVCPRO (Confi)	DVCPRO confidence playback (REC mode)	Under the “B” position at level meter

3-5. REC Frequency Characteristic Setting, REC Current Adjustment, Confirmation of Error Rate

1. There are 8 pcs of adjustment point for Recording Current.
   Each adjustment menu and TP for the adjustment is described in Chart 3-5-1.

Adjustment item	Input	Menu		Spectrum Analyzer		
				TP	EXT TRG	Setting
50M L1 Rec Current	INTERNAL COLOR BAR	B00: RF ADJUST P00: DVCPRO 50M ADJUST P-1: REC ADJUST	P01: RECCURR L1	TP5301 EQ2RF	TP5702 HSWEQ2	REG1 REG3
50M L2 Rec Current			P02: RECCURR L2			
50M R1 Rec Current			P05: RECCURR R1	TP5501 EQ3RF	TP5802 HSWEQ3	
50M R2 Rec Current			P06: RECCURR R2			
25M L1 Rec Current	INTERNAL COLOR BAR	B00: RF ADJUST Q00: DVCPRO 25M ADJUST Q-1: REC ADJUST	Q01: RECCURR L1	TP5301 EQ2RF	TP5702 HSWEQ2	REG2 REG4
25M L2 Rec Current			Q02: RECCURR L2			
25M R1 Rec Current			Q05: RECCURR R1	TP5501 EQ3RF	TP5802 HSWEQ3	
25M R2 Rec Current			Q06: RECCURR R2			

Chart 3-5-1

2. Following are the setting for the Spectrum analyzer.

	REG1	REG2
RES BW	1MHz	1MHz
VIDEO BW	3KHz	3KHz
SWEEP TIME	20msec	20msec
ATTEN	10dB	10dB
CENTER FREQ	4MHz	2MHz
FREQ SPAN	0MHz	0MHz
REF LEVEL	-20dB	-20dB
SCALE dB/DIV	5dB	5dB
TRIGGER	EXT	EXT

Chart 3-5-2

	REG3	REG4
RES BW	1MHz	1MHz
VIDEO BW	3KHz	3KHz
SWEEP TIME	200msec	150msec
ATTEN	10dB	10dB
CENTER FREQ	0Hz	0Hz
FREQ SPAN	40MHz	20MHz
REF LEVEL	-20dB	-20dB
SCALE dB/DIV	5dB	5dB
TRIGGER	EXT	EXT

Chart 3-5-3

*50Ω coaxial cable should be connected to INPUT terminal of Spectrum Analyzer.

3. All adjustment should be done with following mode.
   Q60P60 VITERBI: AUTO
   Q62P62: AEQ MODE : ON

<Adjustment for DVCPRO50 mode>

1. Set the Spectrum analyzer to REG1.(refer to Chart 3-5-2)
2. Set the Service menu to DVCPRO50 REC ADJUST menu.
3. Execute following adjustment for each head. (L1, L2, R1, R2)
4. Confirm that the value of REC FREQ is set to **"60"**.
5. Set the value of REC CURR to "100".
6. Insert the blank tape and place the unit to recording mode.
7. Save the confidencial playback spectrum to Trace B.
8. Decrease the value of RECCURR so that the confidencial playback spectrum meets the following SPEC. and memorize this menu value (Value A).
   The confidencial playback spectrum =TraceB - 5db ± 1db.
9. Add **"130"** to Value A. (This value will be the adjustment value of RECCURR.)
   ex) If the value A is **"-67"**, **"-67+130=63"** will be the adjustment value of RECCURR.
10. Press the SET button.
11. Execute another head of adjustment too. (Each head (L1, L2, R1, R2) should be adjusted)
12. Set the **P70: ERROR MODE** to SLOW and confirm that Error rate at confidencial playback mode meets the SPEC.. (Refer to ELE-18)
13. Set the Spectrum analyzer to REG3. (refer to Chart 3-5-3)
14. Record approximately one minute and play it back.
15. Confirm that error rate at selfrecording playback mode meets the SPEC.. (Refer to page ELE-18)
16. Save the selfrecording playback spectrum to Trace B.
17. Playback the DVCPRO alignment tape and save the spectrum to Trace A.
18. Make sure that the difference of the each level at 4MHZ portion between selfrecording playback spectrum (Trace B) and playback spectrum (Trace A) meets the following SPEC..
    The difference of the each level : 0db ± 2db

<Adjustment for DVCPRO25 mode>

1. Set the Spectrum analyzer to REG2.(refer to Chart 3-5-2)
2. Set the Service menu to DVCPRO25 REC ADJUST menu.
3. Execute following adjustment for each head. (L1, L2, R1, R2)
4. Confirm that the value of REC FREQ is set to **"0"**.
5. Set the value of REC CURR to **"100"**.
6. Insert the blank tape and place the unit to recording mode.
7. Save the confidencial playback spectrum to Trace B.
8. Decrease the value of RECCURR so that the confidencial playback spectrum meets the following SPEC. and memorize this menu value (Value A).
   The confidencial playback spectrum =TraceB - 5db ± 1db.
9. Add **"130"** to Value A. (This value will be the adjustment value of RECCURR.)
   ex) If the value A is **"-67"**, **"-67+130=63"** will be the adjustment value of RECCURR.
10. Press the SET button.
11. Execute another head of adjustment too. (Each head (L1,L2,R1,R2) should be adjusted)
12. Set the **Q70: ERROR MODE** to SLOW and confirm that Error rate at confidencial playback mode meets the SPEC.. (Refer to page ELE-18)
13. Set the Spectrum analyzer to REG4. (refer to Chart 3-5-3)
14. Record approximately one minute and play it back.
15. Confirm that error rate at selfrecording playback mode meets the SPEC.. (Refer to page ELE-18)
16. Save the selfrecording playback spectrum to Trace B.
17. Playback the DVCPRO alignment tape and save the spectrum to Trace A.
18. Make sure that the difference of the each level at 4MHZ portion between selfrecording playback spectrum (Trace B) and playback spectrum (Trace A) meets the following SPEC..
    The difference of the each level : 0db ± 2db

3-6. Storing Adjustment Data

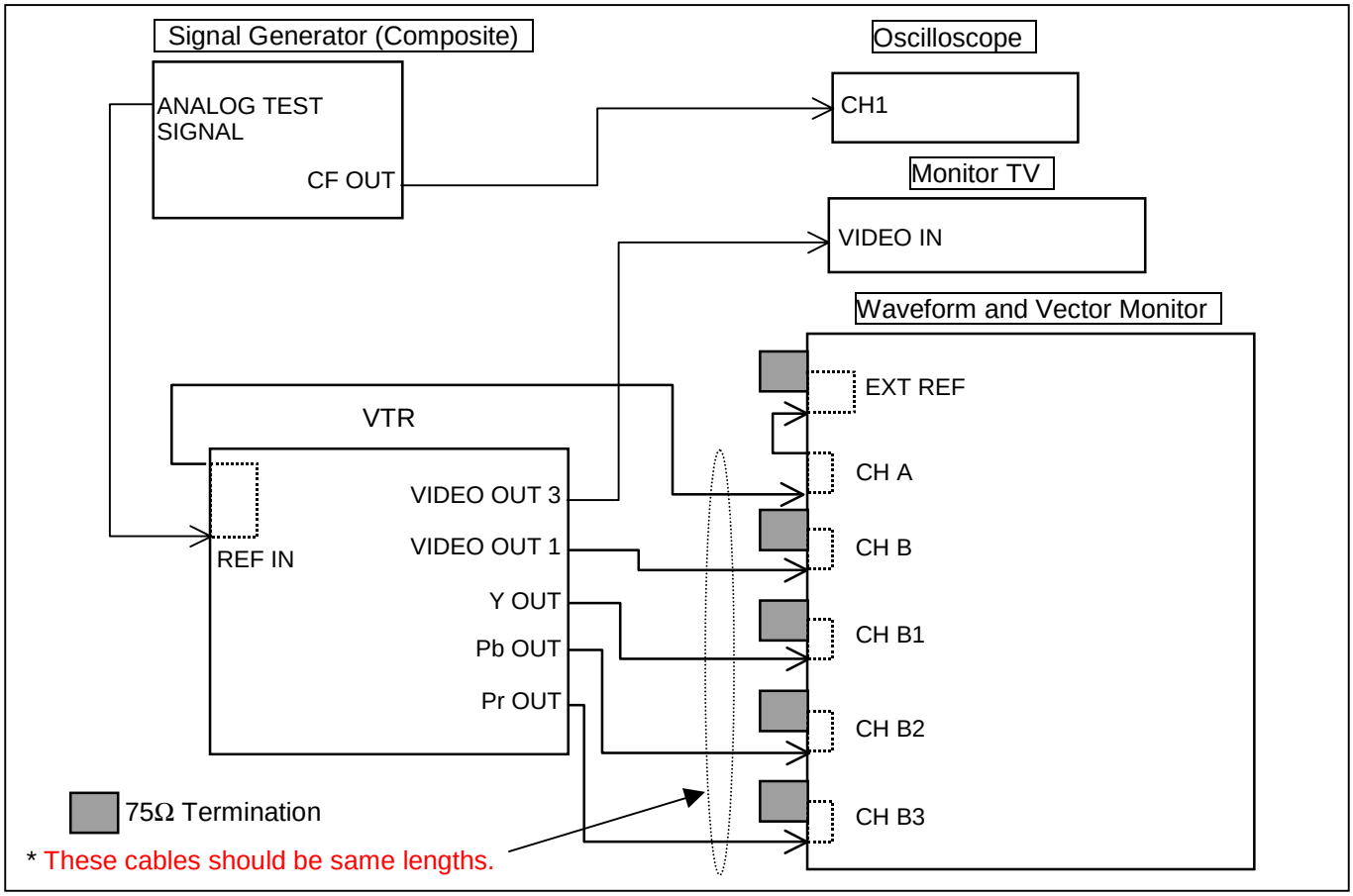
Store the adjustment values for the following items after the adjustment is completed.

1. Insert the DVCPRO alignment tape (VFM3580KM(L)).
2. Open the Service Menu.
3. Open **B00: RF ADJUST** in the Service Menu.
4. Open **P00: DVCPRO 50M ADJUST** in the Service Menu.
5. Select **P-4: DEFAULT** in the Service Menu.
6. Select **SAVE** and press the SET button to save the 50M mode adjustment values.
7. Press the MENU button to return to the RF ADJUST menu.
8. Open **Q00: DVCPRO 25M ADJUST** in the Service Menu.
9. Select **Q-4: DEFAULT** in the Service Menu.
10. Select **SAVE** and press the SET button to save the 25M mode adjustment values.
11. Press the MENU button to return to the RF ADJUST menu.
12. Open **R00: DV ADJUST** in the Service Menu.
13. Select **R-5: DEFAULT** in the Service Menu.
14. Select **SAVE** and press the SET button to save the DV mode adjustment values.

4. V OUT (F5)

- 4-1. Connection
- 4-2. Reference PLL Center Frequency Adjustment (1)
- 4-3. Reference CF Detection Adjustment (1)
- 4-4. Composite Sync DC Level Adjustment
- 4-5. Composite Y Level Adjustment
- 4-6. Composite Frequency Chanacteristic Adjustment
- 4-7. Composite YC gain & Delay Adjustment
- 4-8. Composite SCH Adjustment (1)
- 4-9. System Sub-Carrier Phase Adjustment (1)
- 4-10. Component Sync DC Adjustment
- 4-11. Component Y Level Adjustment
- 4-12. Component Frequency Characteristic Adjustment
- 4-13. Component Pb Level Adjustment
- 4-14. Component Pr Level Adjustment
- 4-15. Component Y-Pb Timing Adjustment
- 4-16. Component Y-Pr Timing Adjustment
- 4-17. Component Pb Frequency Characteristic Adjustment
- 4-18. Component Pr Frequency Characteristic Adjustment
- 4-19. Reference PLL Center Frequency Adjustment (2)
- 4-20. Reference CF Detection Adjustment (2)
- 4-21. Composite SCH Adjustment (2)
- 4-22. System Sub-Carrier Phase Adjustment (2)

4-1. Connection



<Preparation>

1. Before starting this section, it needs aging more than 15 minutes.
2. Set menu setting of SYSTEM menu as follows. Before that, note the current setting, and after finishing all adjustment of this section, set to the original (current) setting.

00 WFM SEL : 0002 VIDEO
10 ENCODER SEL : 0001 LOCAL
11 SYS SC COAR. : 0000 0
12 SYS SC FINE : 0128 0
13 SYS H : 0128 0
14 SCH COARSE : 0000 0
15 SCH FINE : 0032 0
16 AV PHASE : 0128 0
18 SYS H OFFSET : 0003 0
19 SYS SC/H : 0000 REMOTE
22 VIDEO LEVEL : 0128 0
23 SET UP LEVEL : 0128 0
24 CHROMA PHASE : 0128 0
25 CHROMA LEVEL : 0128 0
30 MENU LOCK : 0000 OFF

3. Set menu setting of SETUP menu as follows.

070 TV SYSTEM : 525(Only AJ-SD955A)
614 PB/PR OUT LV : B-CAM
623 SETUP 50 / 622 SETUP 25
00 CMPST IN : THRU
01 CMPST OUT : THRU
02 CMPNT IN : THRU
03 CMPNT OUT : THRU

4. Set menu setting of SERVICE menu as follows.

F00 VIDEO ADJUST
F11 V SETUP : ON

4-2. Reference PLL Center Frequency Adjustment (1)

BOARD	V OUT (F5)
TP	TP153 (VCO)[F-2]
ADJ.	VC701 (FREQ ADJ M)[E-2]
TAPE	-----
INPUT	Internal SG (CB100)
MODE	-----
M. EQ	Frequency Counter
SPEC.	14.318180MHz ±10Hz

1. Disconnect the REF IN terminal. (No reference signal)
2. Connect the frequency counter to TP153.
3. Adjust VC701 so that the frequency at the TP153 is in the specification.

<Note>

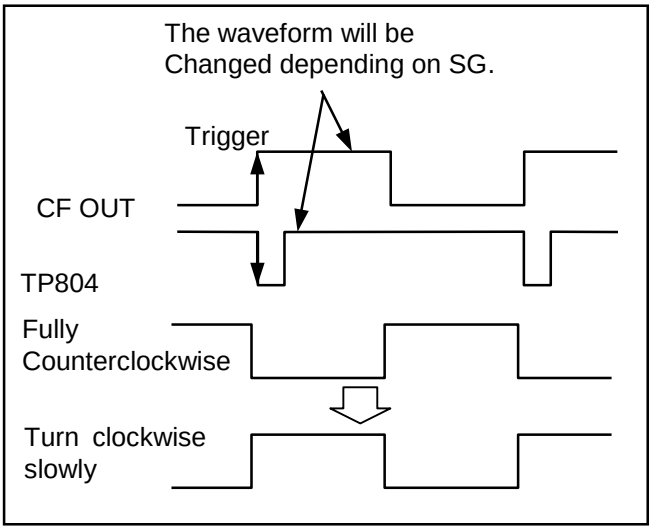
When the hand and so on approach too much near VC701 in adjustment, the DC voltage sometimes shifts.

After finishing this adjustment, connect REF IN terminal again for next adjustment.

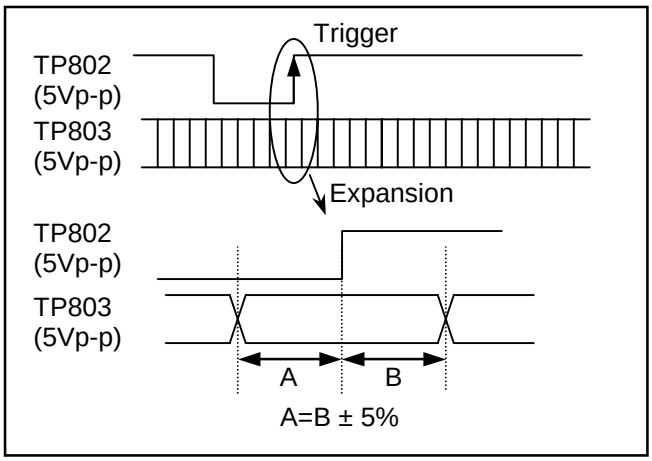
4-3. Reference CF Detection Adjustment (1)

BOARD	V OUT (F5)
TP	CF OUT of Composite Signal generator TP804(CF)[B-2], TP802(CF TP2)[A-1], TP803(CF TP1)[A-1]
ADJ.	VR600 (CF ADJ M)
TAPE	-----
INPUT	REF VIDEO IN Internal SG (CB75)
MODE	-----
M. EQ	Oscilloscope
SPEC.	See Figure, A=B ± 5%

1. Connect the oscilloscope CH1 to the CF output of composite signal generator and CH2 to TP804.
2. Set VR600 to fully counterclockwise.
3. Turn it to clockwise slowly until the phase is reversed as shown in figure.
   And confirm that the "SCH" lamp on the front panel is turned on.



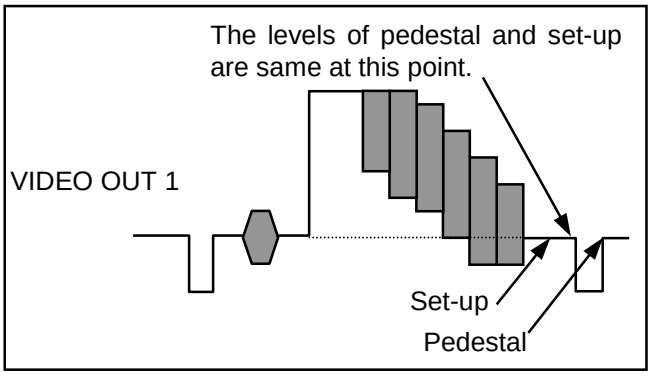
4. Connect the oscilloscope CH1 to TP802 and CH2 to TP803.
5. Expand (delay) the rising edge of TP802.
6. Slowly and slightly rotate VR600 so that the rising edge of TP802 is positioned at the center of cross point between A and B of waveform at TP803.



4-4. Composite Sync DC Level Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D06:SITE SYNC DC (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	------
MODE	PLAY
M. EQ	Analog WFM
SPEC.	SET-UP LEVEL = PEDESTAL LEVEL ± 3mV

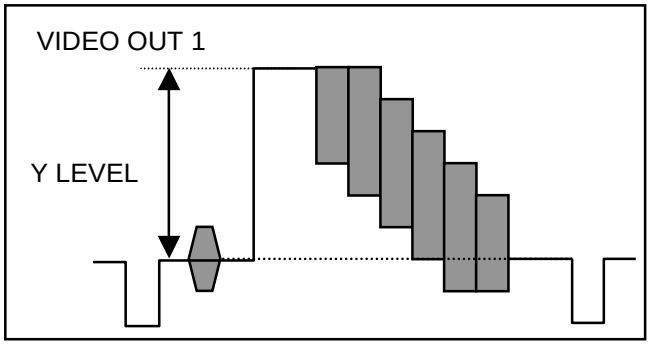
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D06: SITE SYNC DC** so that the set-up level is the same level as the pedestal level.



4-5. Composite Y Level Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D01:SITE Y LEV (Service Menu) D03:SITE Y SETUP (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Y Level = 714 ± 3mV

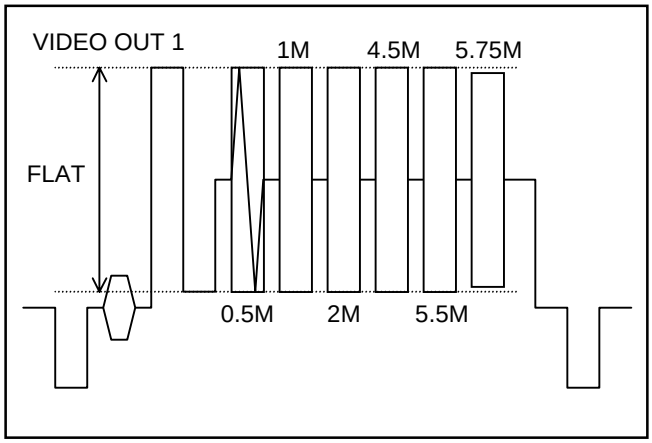
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D01: SITE Y LEV** so that the Y level is in the specification.
6. Open the SETUP MENU.
7. Select the **622: SETUP 25** and press the "STOP" button to open the SETUP 50 SUB MENU.
8. Set the **01: CMPST OUT** to **ADD**.
9. Adjust **D03: SITE Y SETUP** in the service menu (D00:VOUT ADJUST) so that the Y level is in the specification.
10. Set the **01: CMPST OUT** to **THRU**.



4-6. Composite Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D02:SITE Y FREQ (Service Menu)
TAPE	525(NTSC): VFM3380KM Alignment Tape (Multiburst 10:00-13:00)
INPUT	------
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-5.5MHz : ±0.5dB / 5.75MHz : ±1dB

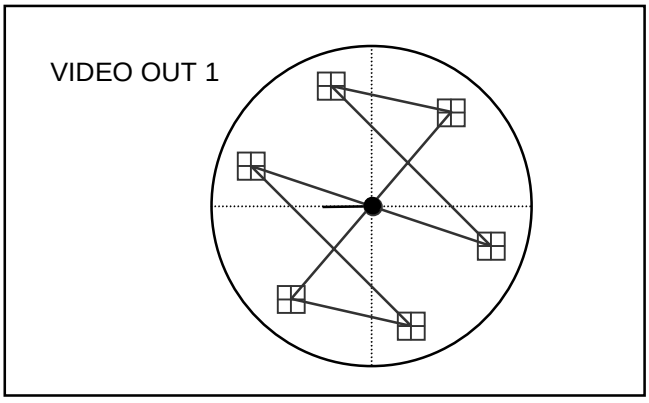
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the MULTIBURST portion (10:00-13:00).
5. Adjust **D02: SITE Y FREQ** so that the 0-5.5MHz portion is flat as shown bellow.



4-7. Composite YC gain & Delay Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D04:SITE C LEV D05:SITE C TMG (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Vector Scope
SPEC.	All vector dots are in the inner box.

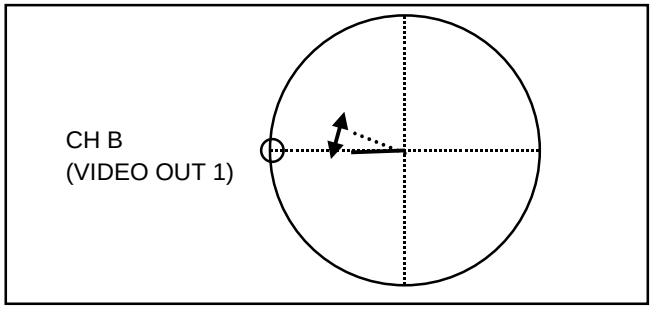
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Confirm that adjustment value of **D05: SITE C TMG** is **"0"**.
6. Set the burst position on the vector scope at correct position.
7. Adjust **D04: SITE C LVL** so that the all vector dots are in the inner box as shown in figure.



4-8. Composite SCH Adjustment(1)

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D07: SITE SCH (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM with SCH meter
SPEC.	SCH = 0 ± 1°

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D07: SITE SCH** so that the SCH is in the specification as shown in figure.



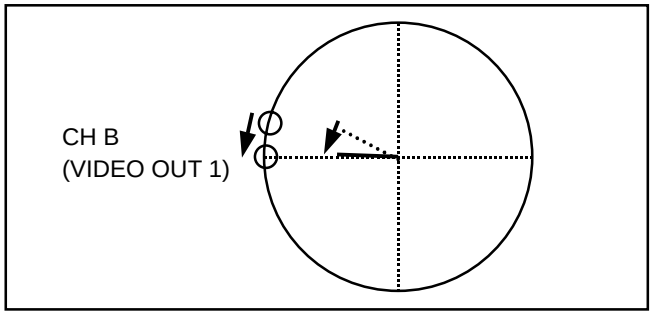
4-9. System Sub-Carrier Phase Adjustment (1)

BOARD	V OUT (F5)
TP	REF IN (CH A), VIDEO OUT 1 (CH B)
ADJ.	VR700 (SYS SC)[E-1]
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM with SCH meter
SPEC.	SCH = 0 ± 1°

1. Play back the alignment tape at the color bar portion.
2. Adjust VR700 so that the SCH of the VIDEO OUT 1 (CHB) is same as EXT-REF-IN (CHA).

<Note>

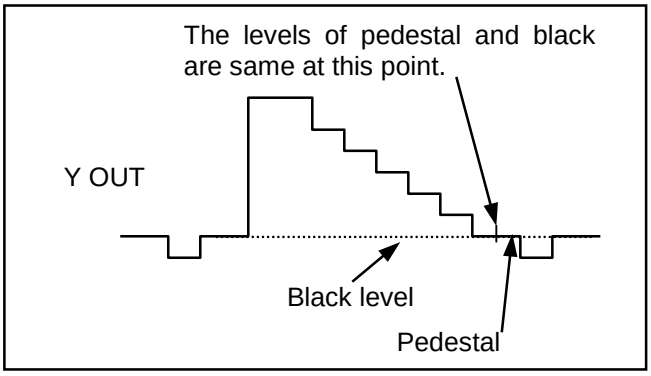
1. Confirm that the SCH indicator should be turned on when reference signal is inputted.
2. Set the WFM to SCH mode, and set the EXT reference mode.
   Observe the Reference signal (CHA) and adjust the PHASE VR of the WFM so that the SCH is correct portion before adjusting the VR700 as shown in figure.
3. Make sure the adjustment position of VR700.
   If position of VR700 is a nearby fully counterclockwise or clockwise, the power may not turn on normally.
   Make sure the setting of System Menu, refer to the <Preparation> of previous page.



4-10. Component Sync DC Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1)
ADJ.	D03: NENT SYNC DC (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	SET-UP LEVEL = PEDESTAL LEVEL ± 3mV

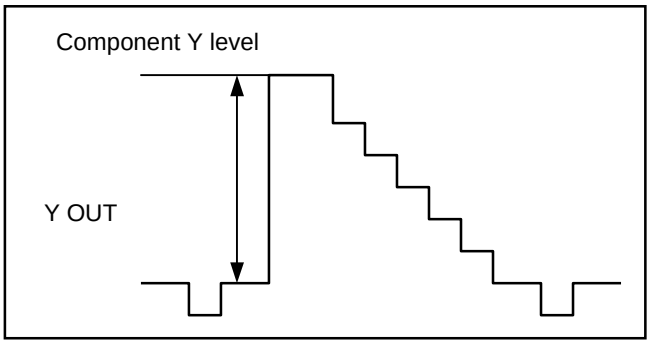
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D03: NENT SYNC DC** so that the black level is the same level as the pedestal level.



4-11. Component Y Level Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1)
ADJ.	D01: NENT Y LEV (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Y level: 714 ± 3mV

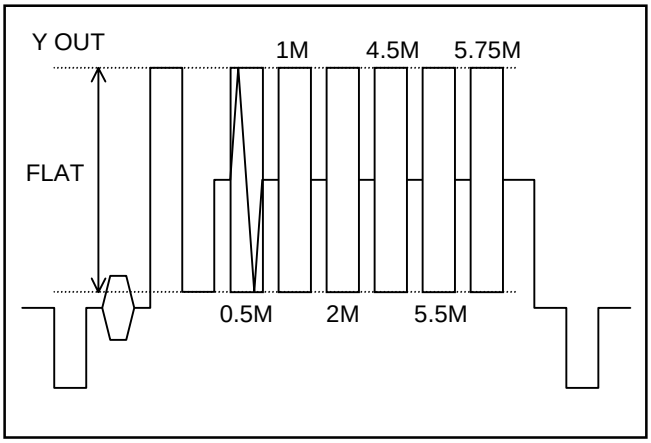
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D01: NENT Y LEV** so that the Y level is in the specification.



4-12. Component Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1)
ADJ.	D02:NENT Y FREQ (Service Menu)
TAPE	525(NTSC): VFM3380KM Alignment Tape (Multiburst 7:00-10:00)
INPUT	------
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-5.75MHz : ±0.5dB

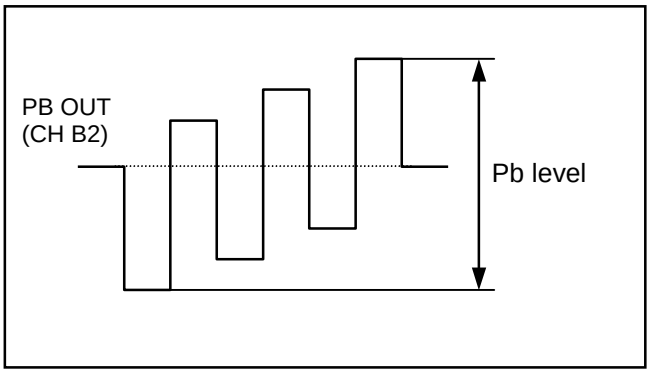
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the MULTIBURST portion (7:00-10:00).
5. Adjust **D02: NENT Y FREQ** so that the 0-5.75MHz portion is flat as shown bellow.



4-13. Component Pb Level Adjustment

BOARD	V OUT (F5)
TP	Pb OUT (CH B2)
ADJ.	D04: NENT PB LEV (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Pb level : 757 ± 3mV

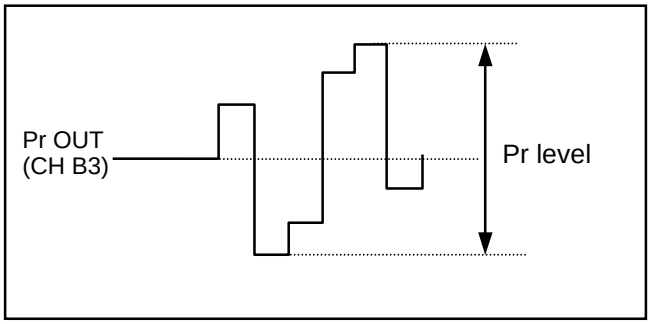
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D04: NENT PB LEV** so that the Pb level is in the specification.



4-14. Component Pr Level Adjustment

BOARD	V OUT (F5)
TP	Pr OUT (CH B3)
ADJ.	D07: NENT PR LEV (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Pr level : 757 ± 3mV

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D07: NENT PR LEV** so that the Pr level is in the specification.



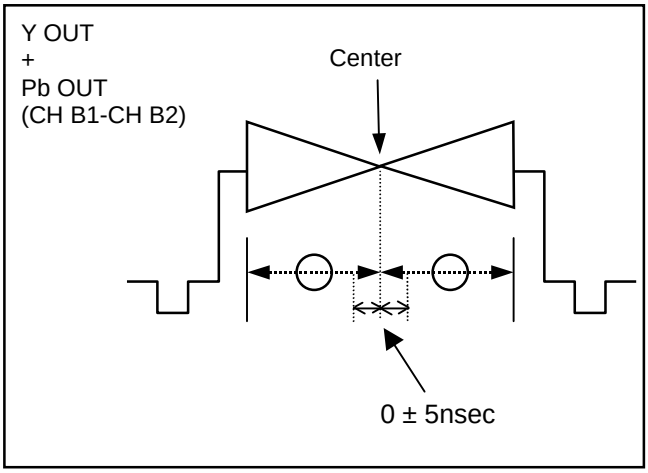
4-15. Component Y-Pb Timing Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1), Pb OUT (CH B2)
ADJ.	D06: NENT PB TMG (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Bow tie portion)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM (Bow tie mode)
SPEC.	Y Pb Timing : 0 ± 5nsec

1. Set menu setting of SETUP menu as follows.
   614 PB / PR OUT LV : M2
2. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
3. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
4. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
5. Play back the alignment tape at the Bow tie portion (18:00-22:00).
6. Adjust **D06: NENT PB TMG** so that the crossing point of the Bow tie signal becomes a center (Timing=0± 5nsec) as shown bellow.
7. Set menu setting of SETUP menu as follows.
   614 PB / PR OUT LV : β CAM

<Note>

Incase of WFM does not have "Bow tie mode" (Y-Pb timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.



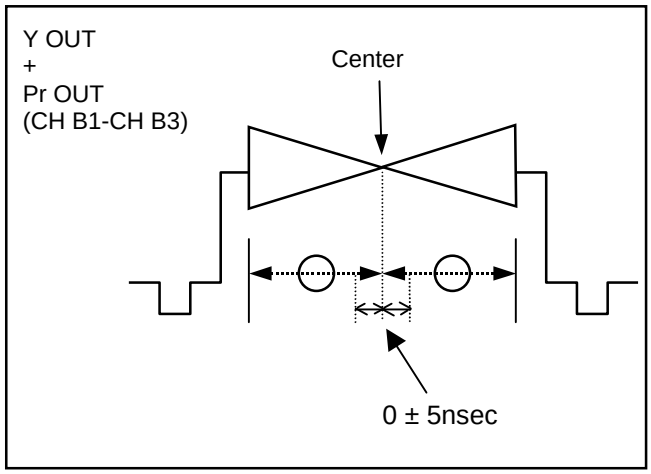
4-16. Component Y-Pr Timing Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1), Pr OUT (CH B3)
ADJ.	D09: NENT PR TMG (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Bow tie portion)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM (Bow tie mode)
SPEC.	Y Pr Timing : 0 ± 5nsec

1. Set menu setting of SETUP menu as follows.
   614 PB / PR OUT LV : M2
2. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
3. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
4. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
5. Play back the alignment tape at the Bow tie portion (18:00-22:00).
6. Adjust **D09: NENT PR TMG** so that the crossing point of the Bow tie signal becomes a center (Timing=0± 5nsec) as shown bellow.
7. Set menu setting of SETUP menu as follows.
   614 PB / PR OUT LV : β CAM

<Note>

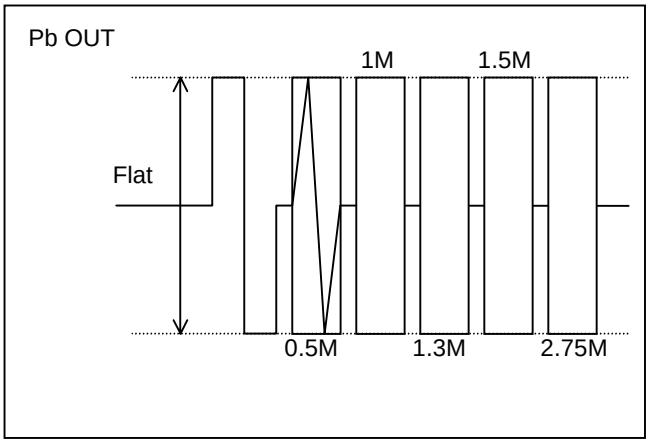
Incase of WFM does not have "Bow tie mode" (Y-Pr timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.



4-17. Component Pb Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	Pb OUT (CH B2)
ADJ.	D05: NENT PB FREQ (Service Menu)
TAPE	525(NTSC): VFM3380KM Alignment Tape (Multi Burst portion)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-2.75MHz : ± 0.5dB

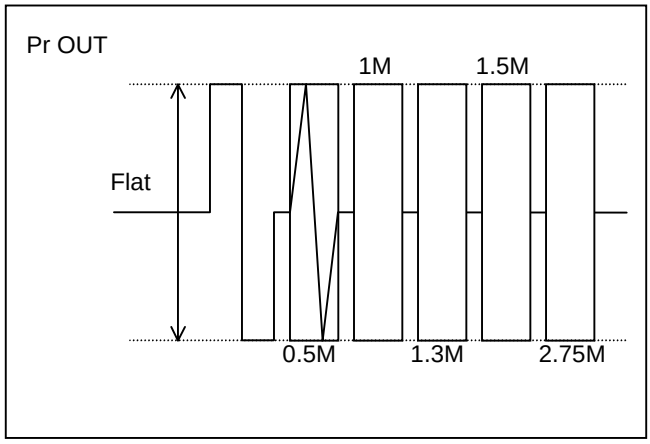
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the MULTIBURST portion (7:00-10:00).
5. Adjust **D05: NENT PB FREQ** so that the 0-2.75MHz portion is flat as shown bellow.



4-18. Component Pr Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	Pr OUT (CH B3)
ADJ.	D08: NENT PR FREQ (Service Menu)
TAPE	525(NTSC): VFM3380KM Alignment Tape (Multi Burst portion)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-2.75MHz : ± 0.5dB

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the MULTIBURST portion (7:00-10:00).
5. Adjust **D08: NENT PR FREQ** so that the 0-2.75MHz portion is flat as shown bellow.



<Preparation>

1. From the item 4-19 to 4-22 are only for AJ-SD955A adjustment.
2. Set the SETUP Menu as follows before starting next adjustment.

   [SETUP MENU]
   070 TV SYSTEM : 625 (AJ-SD955A only)
   After setting the above menu, Turn the VTR OFF and ON in order to set the 625(PAL) mode.

4-19. Reference PLL Center Frequency Adjustment (2)

BOARD	V OUT (F5)
TP	TP153 (VCO)[F-2]
ADJ.	VC701 (FREQ ADJ M)[E-2]
TAPE	-----
INPUT	Internal SG (CB75)
MODE	-----
M. EQ	Frequency Counter
SPEC.	17.734475MHz ±10Hz

1. Disconnect the REF IN terminal. (No reference signal)
2. Connect the frequency counter to TP153.
3. Adjust VC701 so that the frequency at the TP153 is in the specification.

<Note>

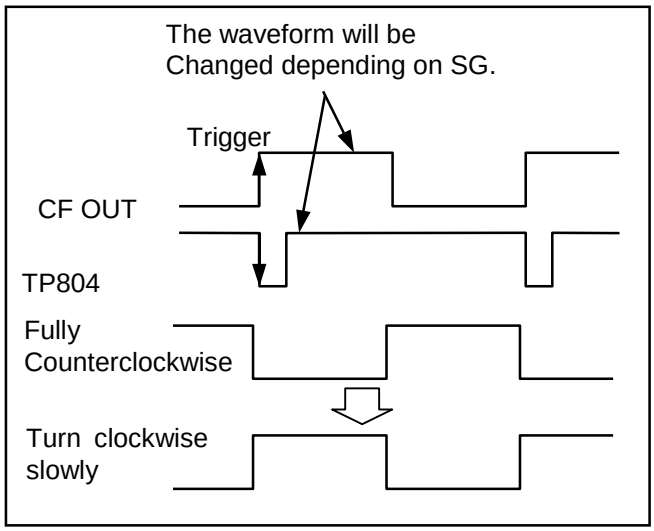
When the hand and so on approach too much near VC701 in adjustment, the DC voltage sometimes shifts.

After finishing this adjustment, connect REF IN terminal again for next adjustment.

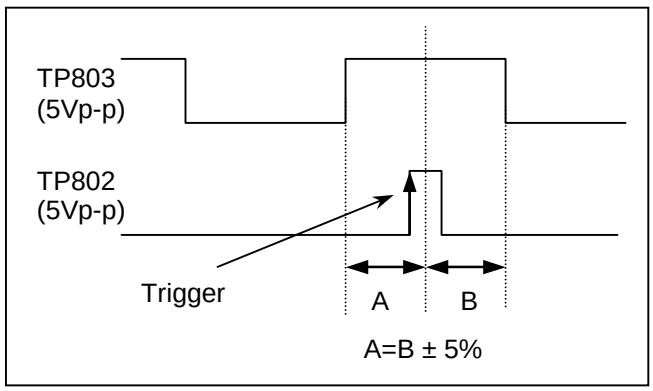
4-20. Reference CF Detection Adjustment (2)

BOARD	V OUT (F5)
TP	CF OUT of Composite Signal generator TP804(CF)[B-2], TP802(CF TP2)[A-1], TP803(CF TP1)[A-1]
ADJ.	VR600 (CF ADJ M)
TAPE	-----
INPUT	REF VIDEO IN Internal SG (CB75)
MODE	-----
M. EQ	Oscilloscope
SPEC.	See Figure, A=B ± 5%

1. Connect the oscilloscope CH1 to the CF output of composite signal generator and CH2 to TP804.
2. Set VR600 to fully counterclockwise.
3. Turn it to clockwise slowly until the phase is reversed as shown in figure.
   And confirm that the “SCH” lamp on the front panel is turned on.



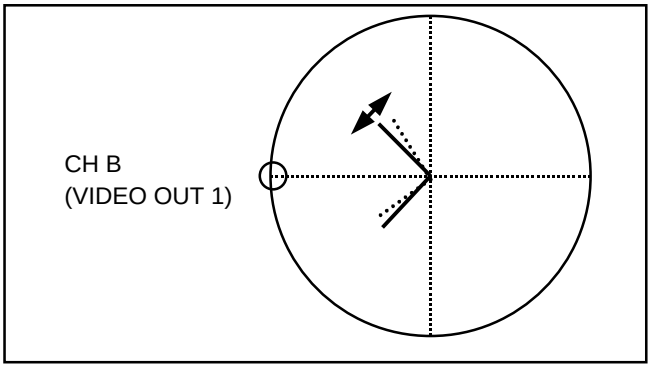
4. Connect the oscilloscope CH1 to TP802 and CH2 to TP803.
5. Expand (delay) the rising edge of TP802.
6. Slowly and slightly rotate VR600 so that the center of high portion at TP802 is positioned at the center of high portion at TP803.



4-21. Composite SCH Adjustment(2)

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D07: SITE SCH (Service Menu)
TAPE	625(PAL): VFM3680KM (L) Alignment Tape (Color Bar)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM with SCH meter
SPEC.	SCH = 0 ± 1°

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion.
5. Adjust **D07: SITE SCH** so that the SCH is in the specification as shown in figure.



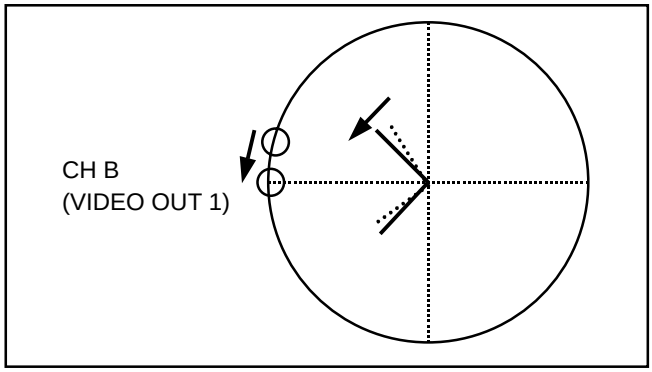
4-22. System Sub-Carrier Phase Adjustment (2)

BOARD	V OUT (F5)
TP	REF IN (CH A), VIDEO OUT 1 (CH B)
ADJ.	VR700 (SYS SC)[E-1]
TAPE	625(PAL): VFM3680KM (L) Alignment Tape (Color Bar)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM with SCH meter
SPEC.	SCH = 0 ± 1°

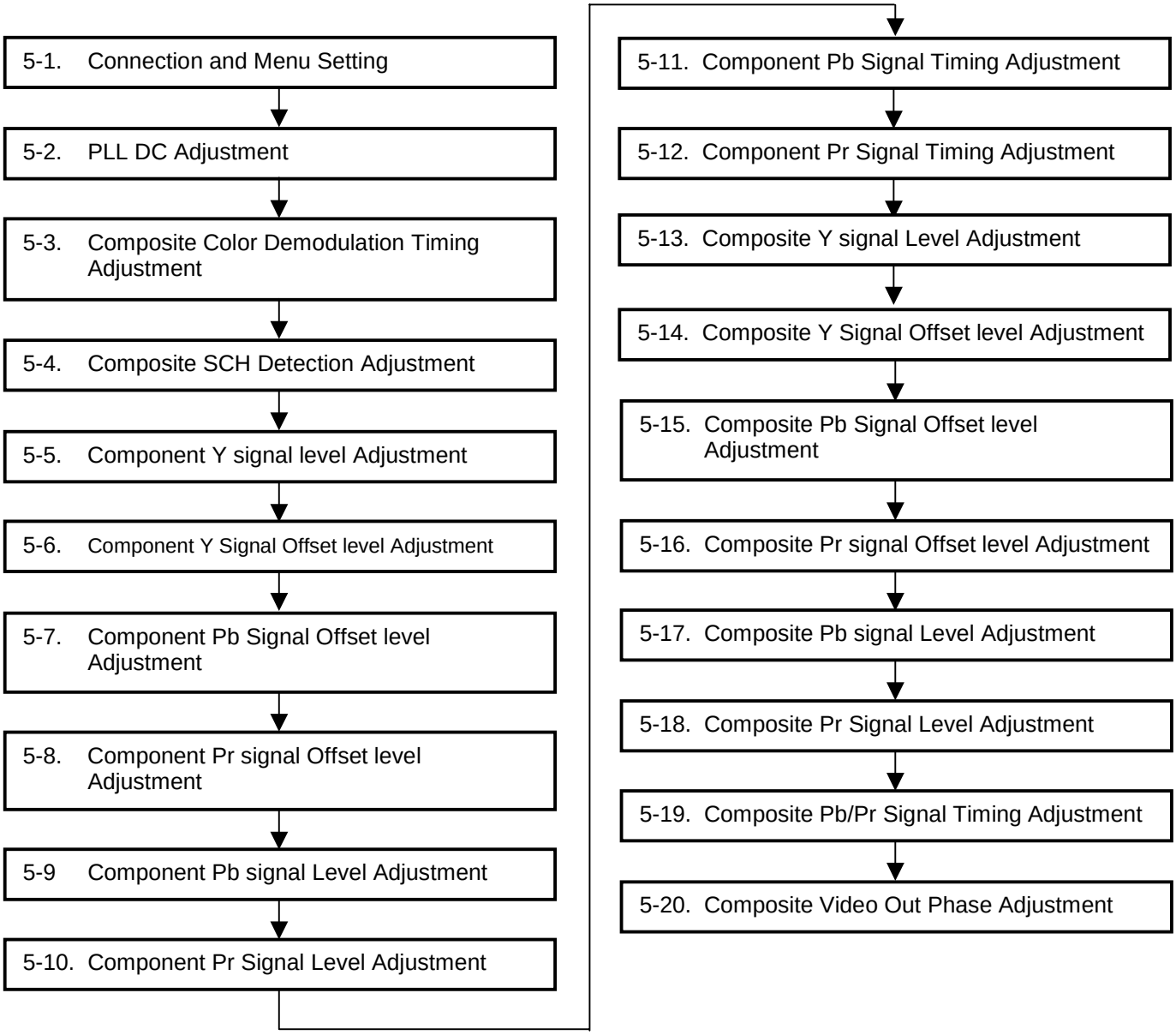
1. Play back the alignment tape at the color bar portion.
2. Adjust VR700 so that the SCH of the VIDEO OUT 1 (CHB) is same as EXT-REF-IN (CHA).

<Note>

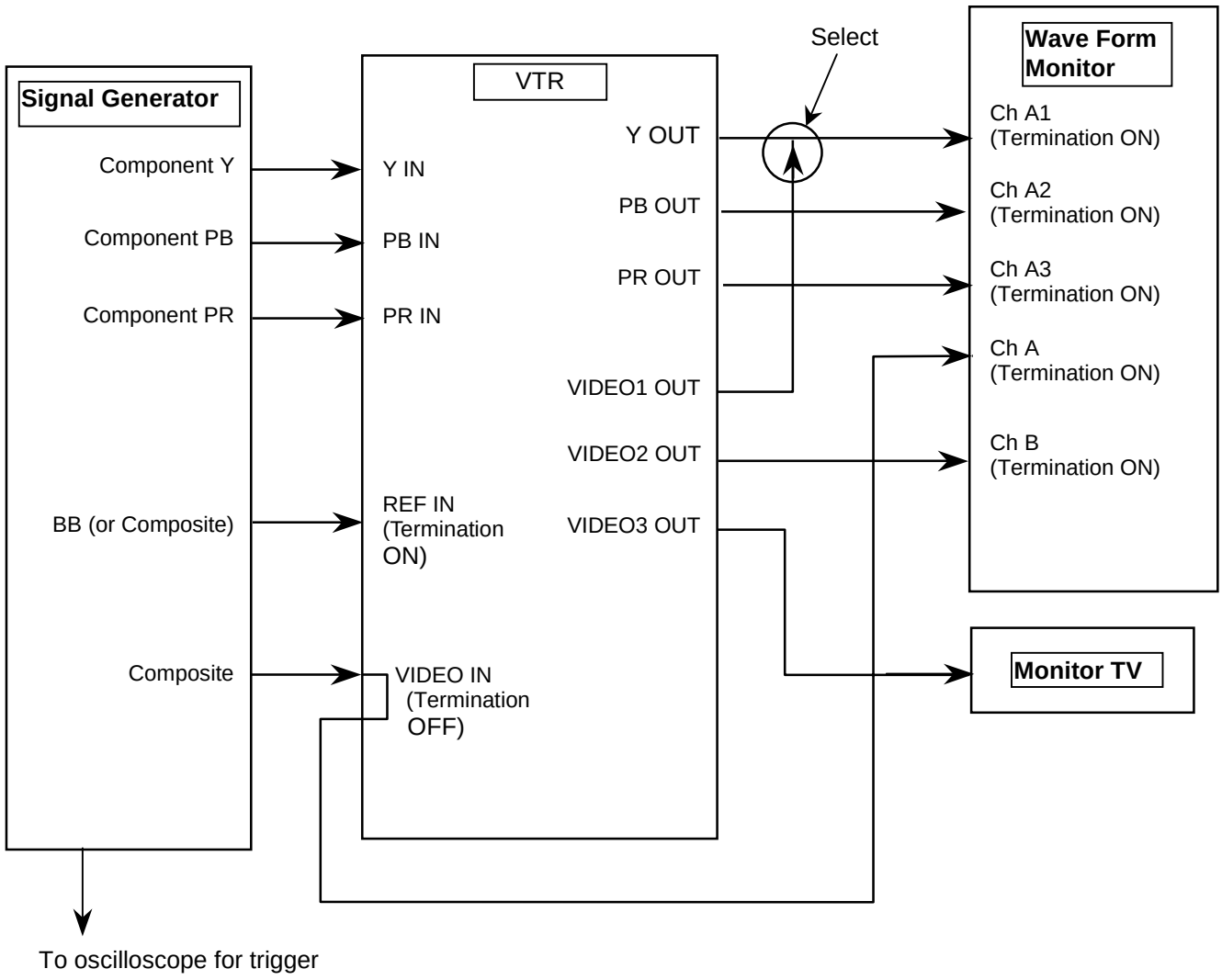
1. Confirm that the SCH indicator should be turned on when reference signal is inputted.
2. Set the WFM to SCH mode, and set the EXT reference mode.
   Observe the Reference signal (CHA) and adjust the PHASE VR of the WFM so that the SCH is correct portion before adjusting the VR700 as shown in figure.



5. V IN (F2A:AJ-YA931G)



5-1. Connection and Menu Setting



<Caution>

1. Set the component output level of signal generator to β CAM level.
2. Before starting adjustment, it needs aging more than 15 minutes.

<Menu Setting>

1. Open the "SETUP MENU" and set as following.

610 PB/PR IN LV : B-CAM
614 PB/PR OUT LV : B-CAM
623 SETUP 50
00 CMPST IN : THRU
01 CMPST OUT : THRU
02 CMPNT IN : THRU
03 CMPNT OUT : THRU

5-2. PLL DC Adjustment

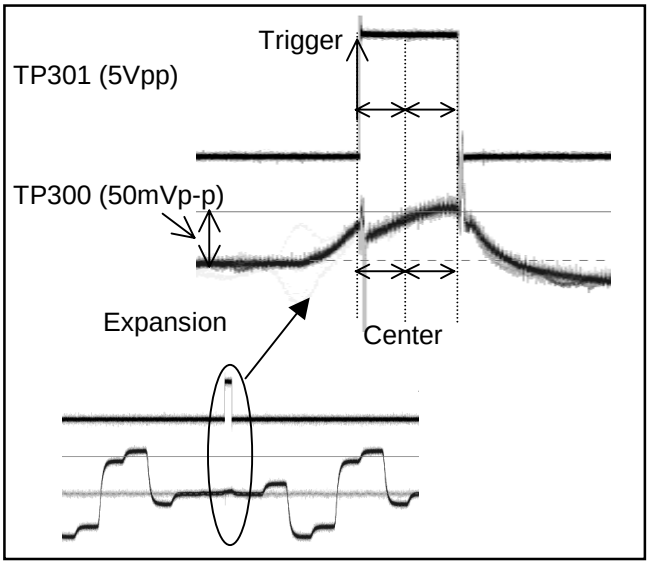
BOARD	V IN (F2A)
TP	TP450 (PLL DC)[A-2]
ADJ.	VC450 (VCO DC)[B-2]
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar with 7.5% Setup β-CAM LEVEL)
MODE	EE
M. EQ	Oscilloscope
SPEC.	DC voltage : 0 ± 0.1V

1. Connect the scope to TP450. And adjust VC450 so that the DC voltage is in the specification.

5-3. Composite Color Demodulation Timing Adjustment

BOARD	V IN (F2A)
TP	TP300(APC)[C-1], TP301(BGP)[C-1]
ADJ.	VR300 (RSTH)[B-1]
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Oscilloscope
SPEC.	Center

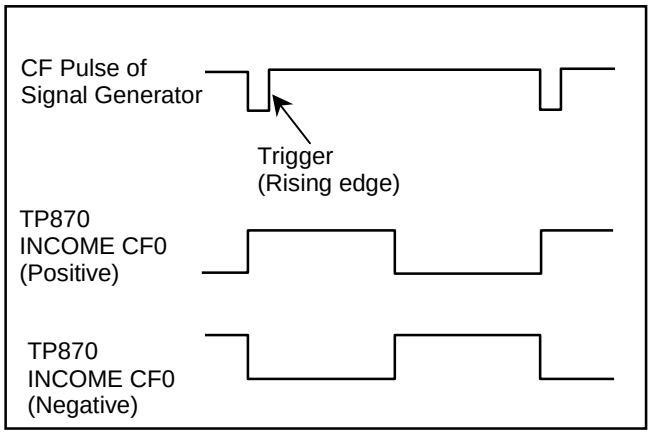
1. Set the Video Input Select Switch on the front panel to “CMPST” (Composite).
2. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
3. Select the **C00: VIN ADJUST** and press the “SET” button to open the VIN ADJUST MENU.
4. Select **C-2: CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
5. Set the numerical value of the **C09: SITE CAXIS** to **127.**
6. Connect the scope CH1 to TP301 and CH2 to TP300.
7. Adjust VR300 so that the timing of the center portion of these pulses becomes same timing as shown in figure.
8. Set **C09: SITE CAXIS** to **0(zero).**



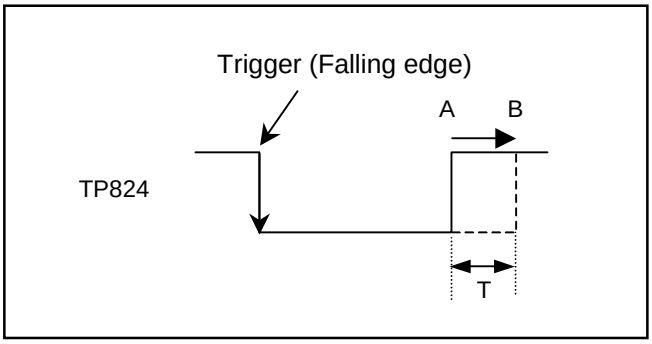
5-4. Composite SCH Detection Adjustment

BOARD	V IN (F2A)
TP	TP870 (INCF)[B-4], TP824(SCHP)[A-3]
ADJ.	VR301 (SCH)[B-1]
TAPE	-----
INPUT	CF Signal of Signal Generator Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Oscilloscope
SPEC.	T=55 ± 0.5nsec

1. Set the Video Input Select Switch on the front panel to “CMPST” (Composite).
2. Connect the scope CH1 to TP870 and CH2 to CF Pulse of the signal generator. And set the trigger channel to CH2. (Triggered by rising edge.)
3. Set VR301 fully counterclockwise.
4. If income CF0 pulse of the TP870 is positive pulse, turn the VR301 clockwise until changing from positive to negative as shown bellow.
5. Turn the VR301 clockwise slowly until just changing from negative to positive as shown below.



6. Connect the scope CH1 to TP824 and trigger by falling edge.
7. Turn the VR301 clockwise slowly until the rising edge of the TP824 moves from "A" to "B" as shown below. The time difference "T" should be in the specification.

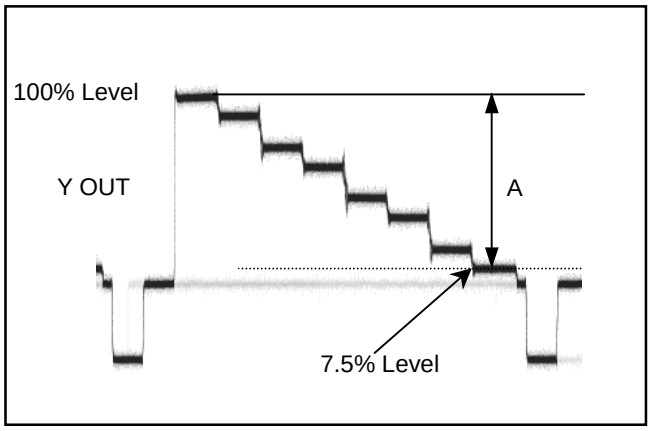


5-5. Component Y signal level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C01: NENT Y GAIN (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar with 7.5% Setup β-CAM LEVEL)
MODE	EE
M. EQ	Analog WFM
SPEC.	Y signal(100%←→7.5% : 661 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the VIN ADJUST MENU.
3. Select **C-1: CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C01 NENT Y GAIN** so that the level "A" is in the specification. (Level "A" is between 100% portion and 7.5% portion.)
5. Close the menu.



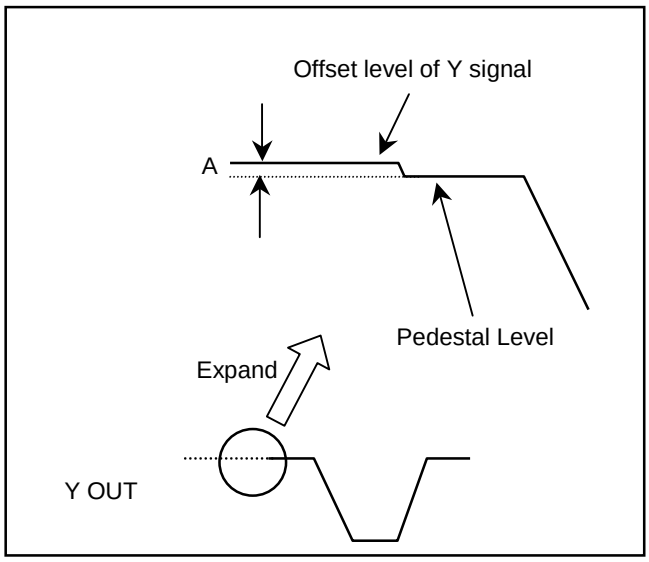
Note:
When open the "C-1: CMPNT ADJUST" page of the Service Menu, the Video Input Select is changed to ***"Y PB PR"*** *(Component Input) automatically.*
And also, when open the "C-2: CMPST ADJUST" page of the Service Menu, the Video Input Select is changed to ***"CMPST"*** *(Composite Input) automatically. However, the indicator of video input on the front panel is not changed.*

5-6. Component Y Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C02: NENT Y OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pedestal level and the offset level of Y signal(A):0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C02 NENT Y OFS** so that the level "A" is in the specification. (Level "A" is the difference between the pedestal level and offset level of Y signal.)
5. Close the menu.

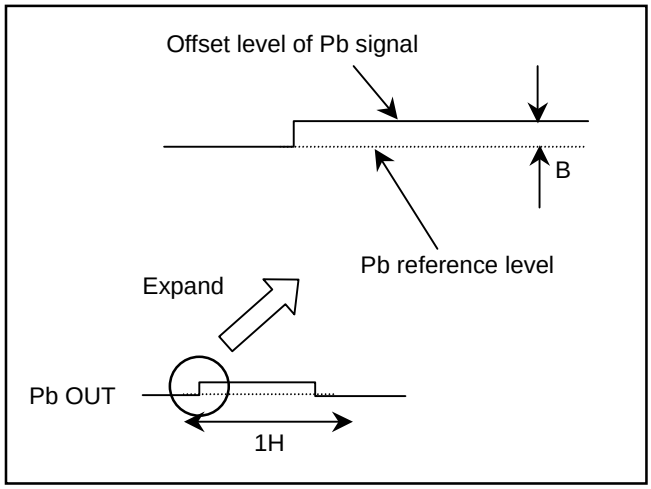


5-7. Component Pb Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component PB OUT
ADJ.	C04: NENT PB OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pb reference level and the offset level of the Pb signal. (B) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C04 NENT PB OFS** so that the level "B" is in the specification. (Level "B" is the difference between the Pb reference level and the offset level of the Pb signal.)
5. Close the menu.

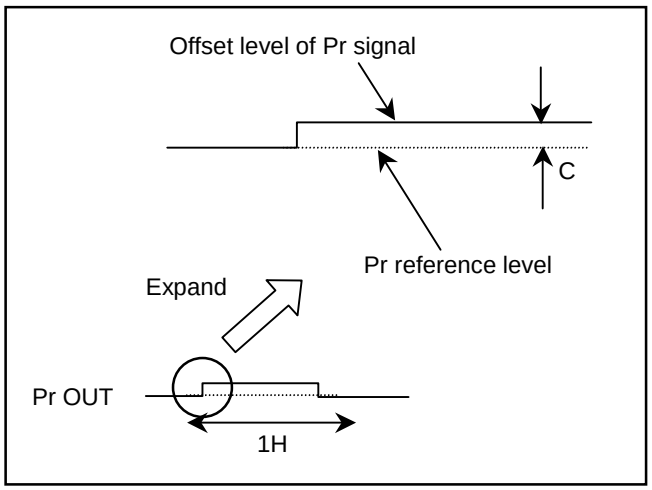


5-8. Component Pr signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component PR OUT
ADJ.	C07: NENT PR OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pr reference level and the offset level of the Pr signal. (C) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C07 NENT PR OFS** so that the level "C" is in the specification. (Level "C" is the difference between the Pr reference level and the offset level of the Pr signal.)
5. Close the menu.

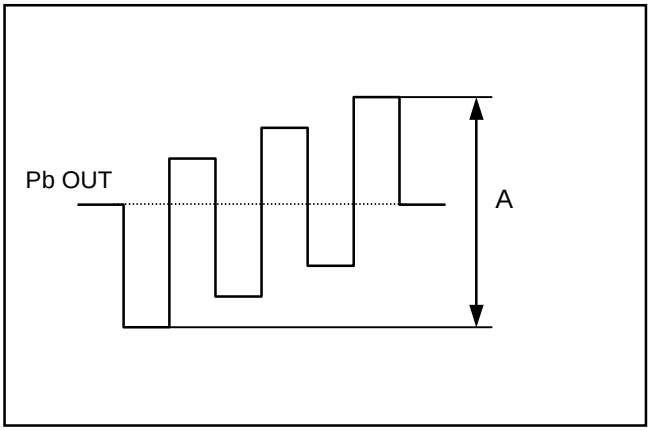


5-9 Component Pb signal Level Adjustment

BOARD	V IN (F2A)
TP	Component PB OUT
ADJ.	Service Menu
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar with 7.5% Setup β-CAM LEVEL)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pb signal level (A): 933 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C03 NENT PB GAIN** so that the level "A" is in the specification.
5. Close the menu.

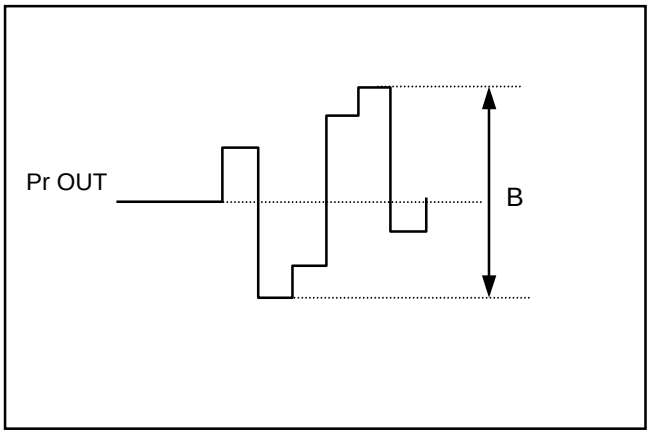


5-10.Component Pr Signal Level Adjustment

BOARD	V IN (F2A)
TP	Component PR OUT
ADJ.	Service Menu
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar with 7.5% Setup β-CAM LEVEL)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pr signal level (B): 933 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C06 NENT PR GAIN** so that the level "B" is in the specification.
5. Close the menu.

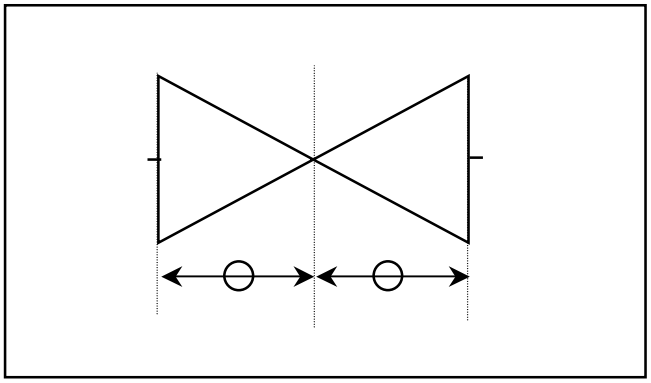


5-11. Component Pb Signal Timing Adjustment

BOARD	V IN (F2A)
TP	Component Y/Pb OUT
ADJ.	C05: NENT PB TMG (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (Bowtie)
MODE	EE
M. EQ	Analog WFM (Bowtie mode)
SPEC.	Relative Timing: 0 ± 5nsec

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C05 NENT PB TMG** so that the crossing point of the Bowtie signal becomes a center (Timing = 0 ± 5nsec).
5. Close the menu.



<Note>

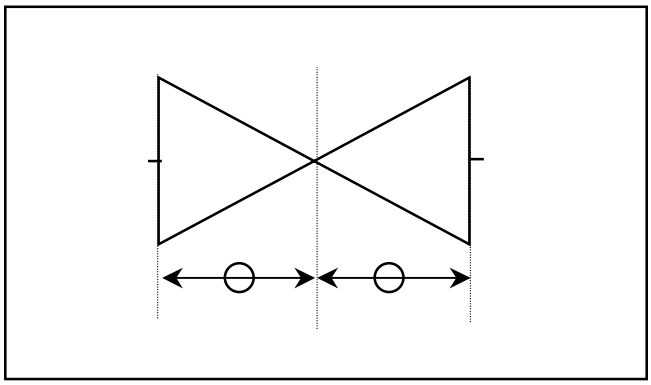
Incase of WFM does not have "Bow tie mode" (Y-Pb timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.

5-12. Component Pr Signal Timing Adjustment

BOARD	V IN (F2A)
TP	Component Y/Pr OUT
ADJ.	C08: NENT PR TMG (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (Bowtie)
MODE	EE
M. EQ	Analog WFM (Bowtie mode)
SPEC.	Relative Timing: 0 ± 5nsec

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C08 NENT PR TMG** so that the crossing point of the Bowtie signal becomes a center (Timing = 0 ± 5nsec).
5. Close the menu.



<Note>

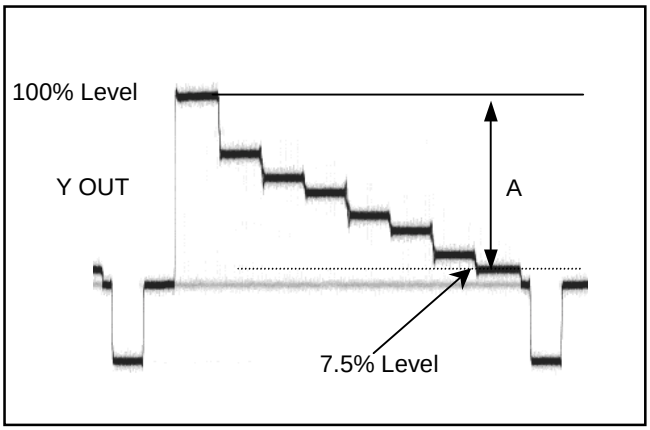
Incase of WFM does not have "Bow tie mode" (Y-Pr timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.

5-13.Composite Y signal Level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C01: SITE Y GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup
MODE	EE
M. EQ	Analog WFM
SPEC.	Y signal (A)(100%←→7.5%) : 661 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C01 SITE Y GAIN** so that the level "A" is in the specification. (Level "A" is between 100% portion and 7.5% portion.)
5. Close the menu.



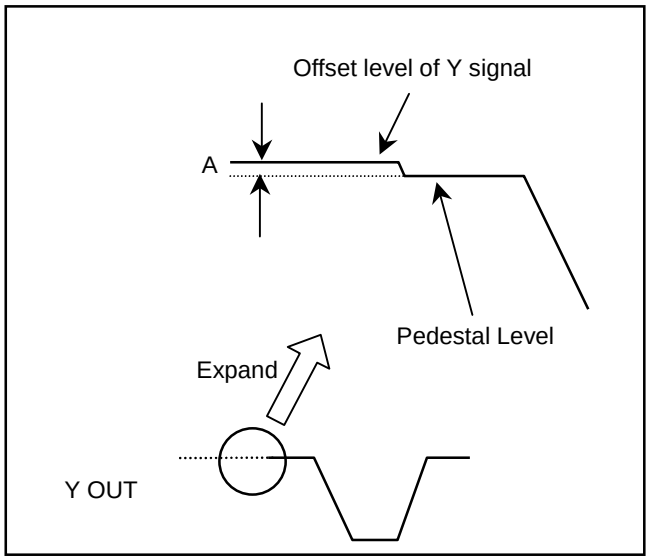
Note:
When open the "C-1: CMPNT ADJUST" page of the Service Menu, the Video Input Select is changed to ***"Y PB PR"*** *(Component Input) automatically.*
And also, when open the "C-2: CMPST ADJUST" page of the Service Menu, the Video Input Select is changed to ***"CMPST"*** *(Composite Input) automatically. However, the indicator of video input on the front panel is not changed.*

5-14.Composite Y Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C02: SITE Y OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pedestal level and the offset level of Y signal (A) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: V IN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C02 SITE Y OFS** so that the level "A" is in the specification. (Level "A" is the difference between the pedestal level and offset level of Y signal.)
5. Close the menu.

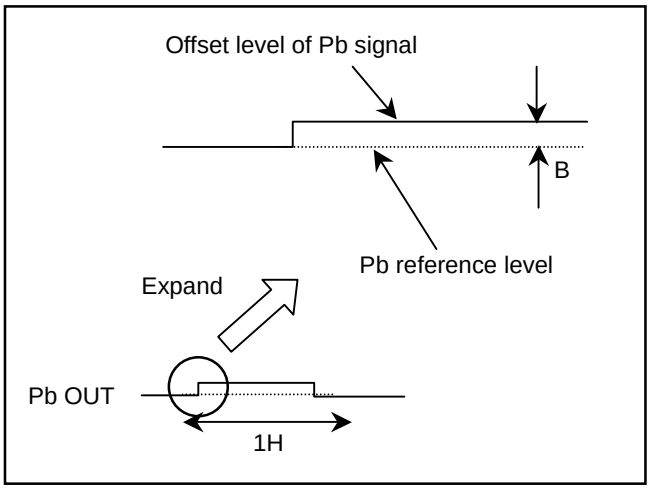


5-15.Composite Pb Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Pb OUT
ADJ.	C04: SITE PB OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pb reference level and the offset level of the Pb signal. (B) : 0± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C04 SITE PB OFS** so that the level "B" is in the specification. (Level "B" is the difference between the Pb reference level and the offset level of the Pb signal.)
5. Close the menu.

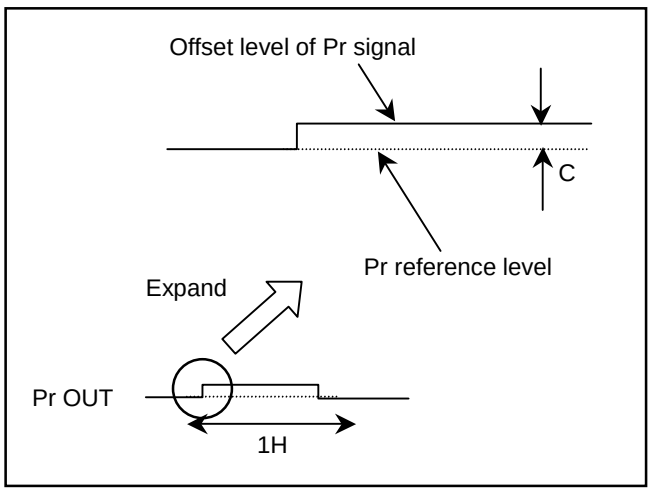


5-16.Composite Pr signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Pr OUT
ADJ.	C07: SITE PR OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pr reference level and the offset level of the Pr signal. (C) : 0± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C07 SITE PR OFS** so that the level "C" is in the specification. (Level "C" is the difference between the Pr reference level and the offset level of the Pr signal.)
5. Close the menu.

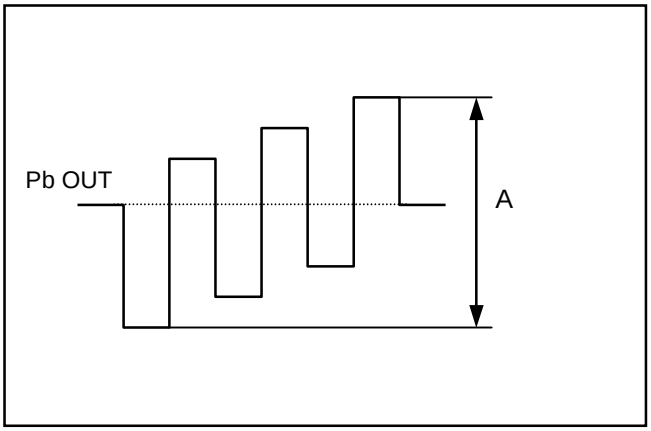


5-17.Composite Pb signal Level Adjustment

BOARD	V IN (F2A)
TP	Composite PB OUT
ADJ.	C03: SITE PB GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pb signal level (A): 700± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C03 SITE PB GAIN** so that the level "A" is in the specification.
5. Close the menu.

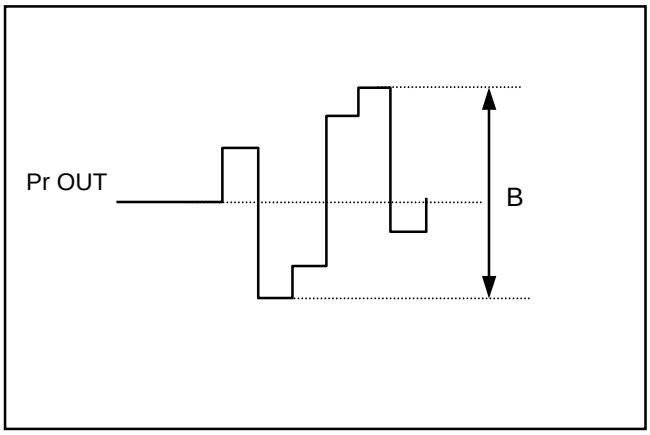


5-18.Composite Pr Signal Level Adjustment

BOARD	V IN (F2A)
TP	Composite PR OUT
ADJ.	C06: SITE PR GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pr signal level (B): 700± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C06 SITE PR GAIN** so that the level "B" is in the specification.
5. Close the menu.



5-19.Composite Pb/Pr Signal Timing Adjustment

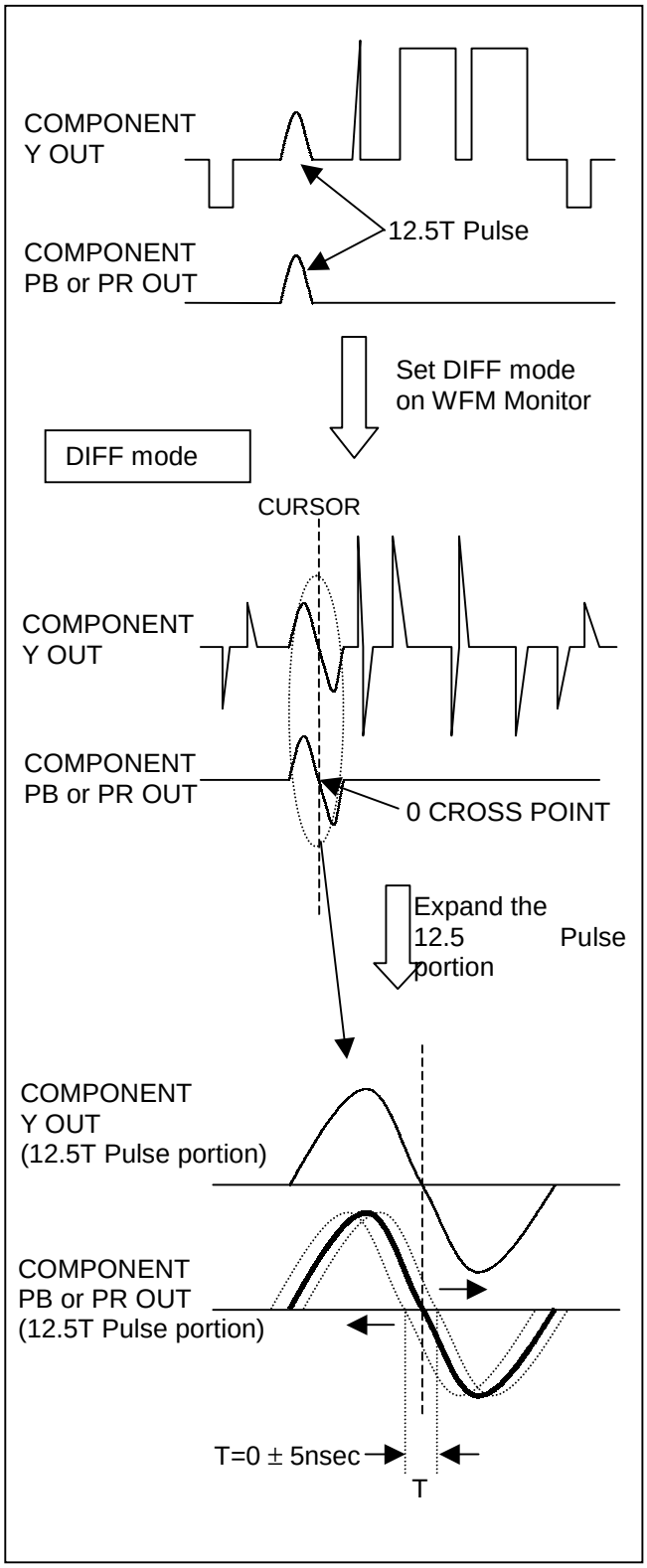
BOARD	V IN (F2A)
TP	Y, Pr, Pb OUT
ADJ.	C05: SITE PB TMG (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (Pulse and Bar with 12.5T modulation Signal)
MODE	EE
M. EQ	Analog WFM (DIFF mode)
SPEC.	T = 0± 5nsec

(This adjustment performs without extender board.)

1. Confirm that the 12.5T modulation signal portion of Component Y OUT is displayed correctly on the WFM as shown in figure.
2. Confirm that the 12.5T modulation signal portion of Component PB and PR OUT is displayed correctly on the WFM as shown in figure.
3. Set WFM monitor to DIFF mode. In the DIFF mode, waveform of Y and PB or PR signals are integrated as shown in figure.
4. Expand the 12.5 pulse portion (an ellipse dotted portion as indicated in figure) and set the cursor to 0 cross point as shown in figure.
5. Open the SERVICE MENU (Refer to SEC1 Service Information.)
6. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
7. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
8. Adjust the **C05 SITE PB TMG or C08 SITE PR TMG** so that the signal timing between Y and PB or PR signal is in the specification.
9. Close the Menu.

NOTE:

Please use WFM Monitor with DIFF mode.

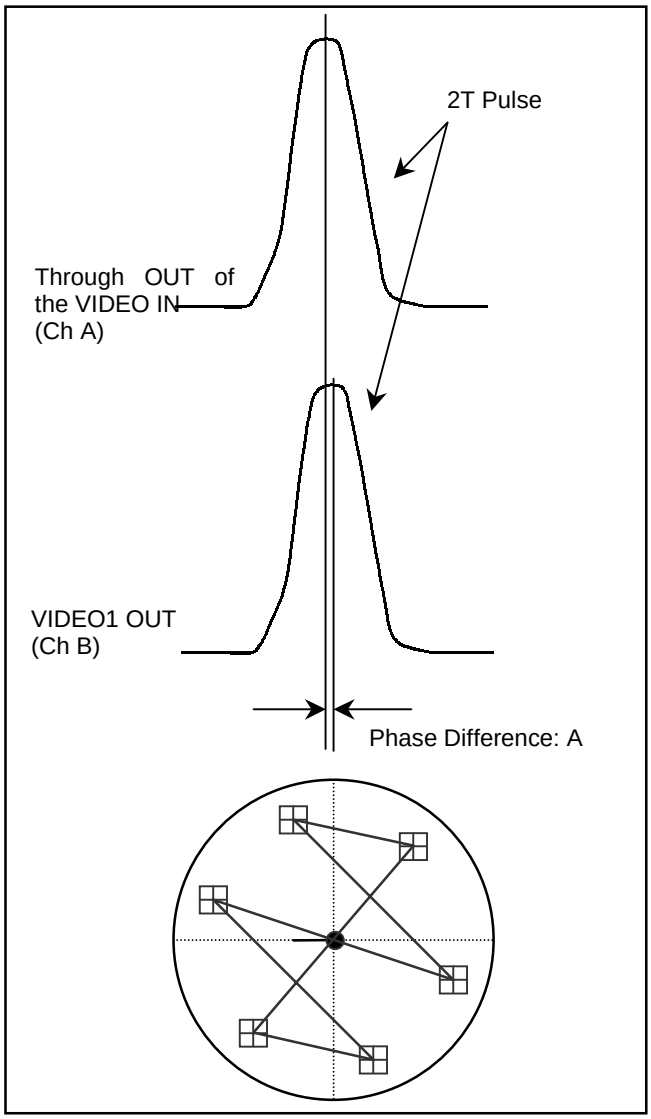


5-20.Composite Video Out Phase Adjustment

BOARD	V IN (F2A)
TP	VIDEO IN THRU VIDEO1 OUT
ADJ.	VR450 (SYNCϕ)[A-1]
TAPE	-----
INPUT	Analog Composite Signal (Pulse and Bar with 2T modulation Signal) (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Analog WFM
SPEC.	Phase Difference A : 0 ± 10nsec

(This adjustment performs without extender board.)

1. Input Pulse and Bar signal to Video IN terminal. Adjust VR450 (SYNCϕ) so that the phase difference of 2T pulse between through out of the VIDEO IN and the VIDEO OUT 1 is in the specification.
2. Change input signal to 100% color bar signal. Then confirm that signal line on a vector scope should be linear line. If it is not, execute fine adjustment of VR450.

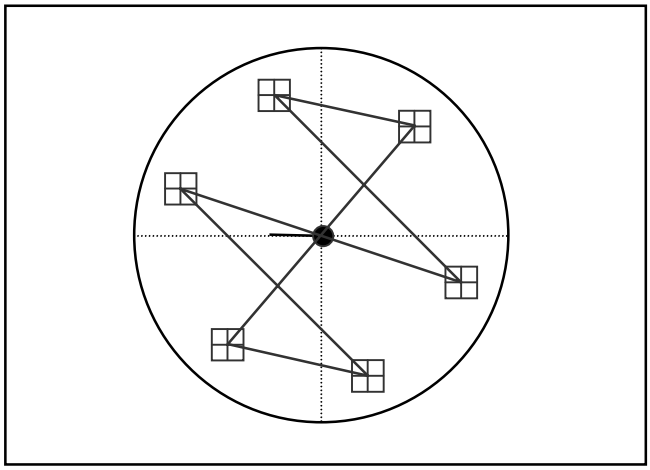


5-21.Composite Vector Adjustment

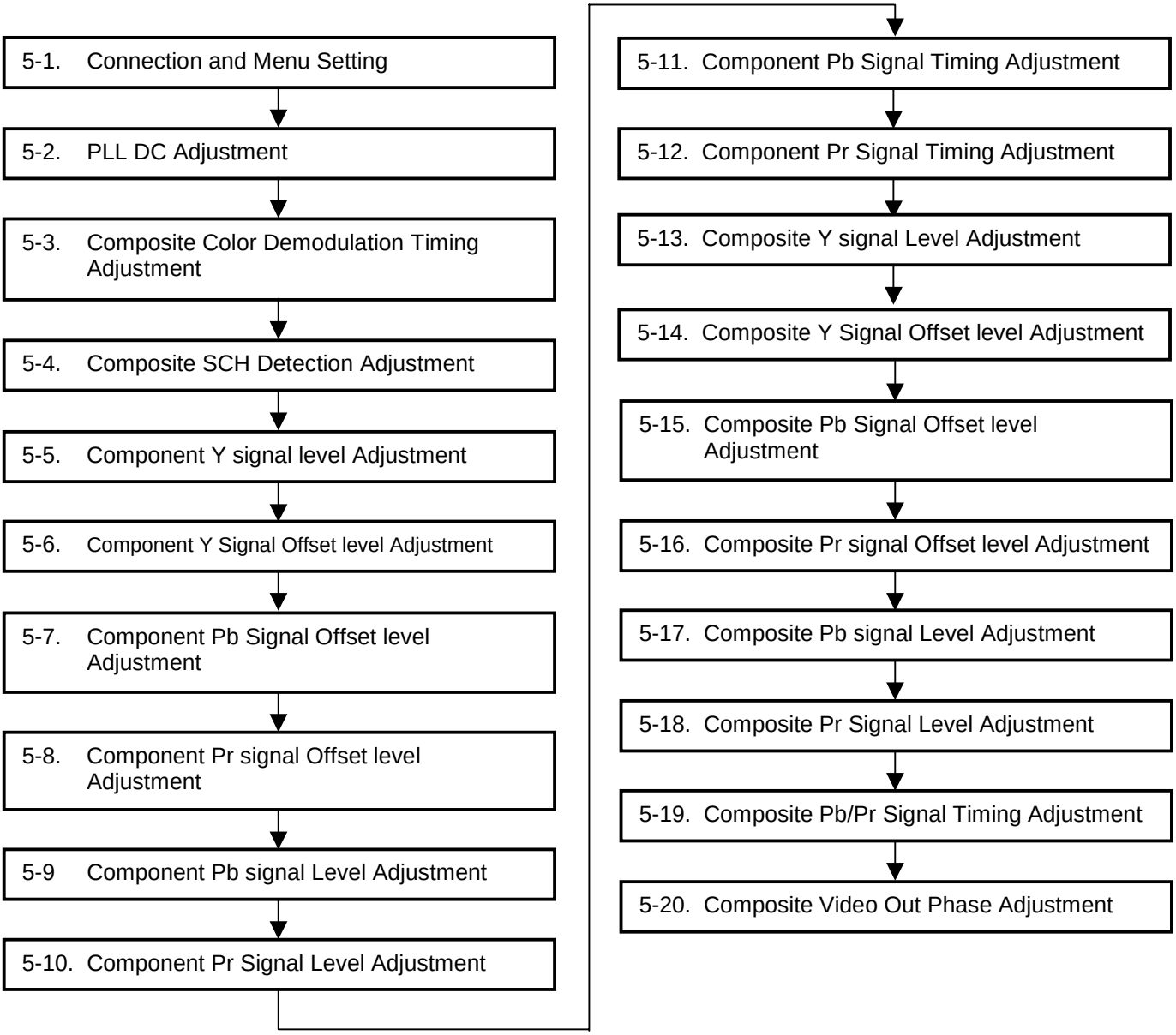
BOARD	V IN (F2A)
TP	VIDEO 1 OUT
ADJ.	C09: SITE CAXIS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Analog WFM
SPEC.	All vector dots are in the inner box

(This adjustment performs without extender board.)

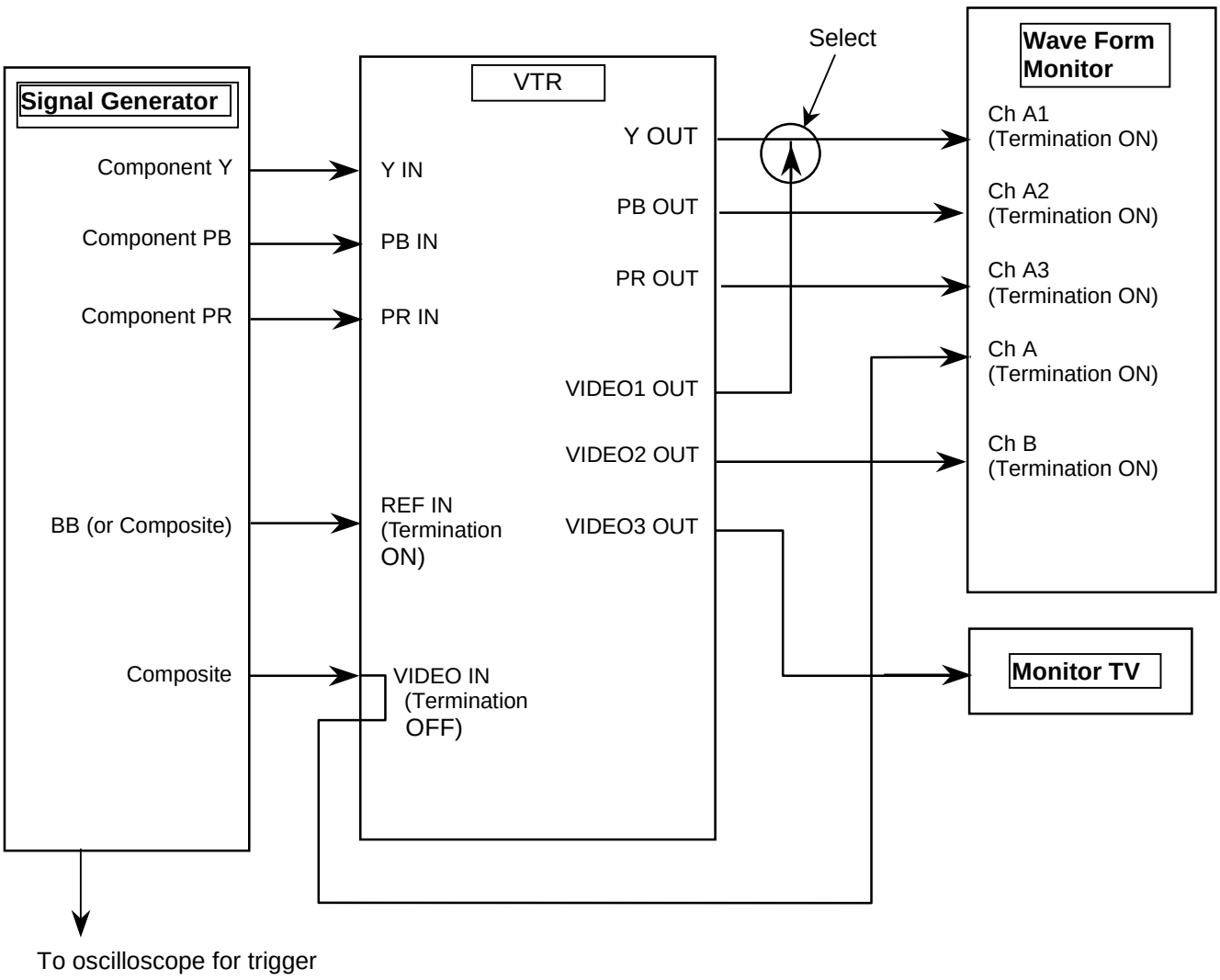
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust **C09 SITE CAXIS** so that the all vector dots are in the inner box.
5. Close the menu.



5. V IN (F2A:AJ-YA932G)



5-1. Connection and Menu Setting



<Caution>

1. Set the component output level of signal generator to β CAM level.
2. Before starting adjustment, it needs aging more than 15 minutes.

5-2. PLL DC Adjustment

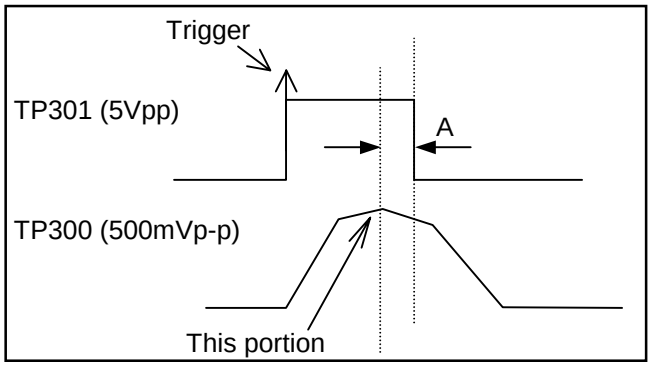
BOARD	V IN (F2A)
TP	TP450 (PLL DC)[A-2]
ADJ.	VC450 (VCO DC)[B-2]
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Oscilloscope
SPEC.	DC voltage : 0 ± 0.1V

1. Connect the scope to TP450. And adjust VC450 so that the DC voltage is in the specification.

5-3. Composite Color Demodulation Timing Adjustment

BOARD	V IN (F2A)
TP	TP300(APC)[C-1], TP301(BGP)[C-1]
ADJ.	VR300 (RSTH)[B-1]
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Oscilloscope
SPEC.	A= ± 1usec

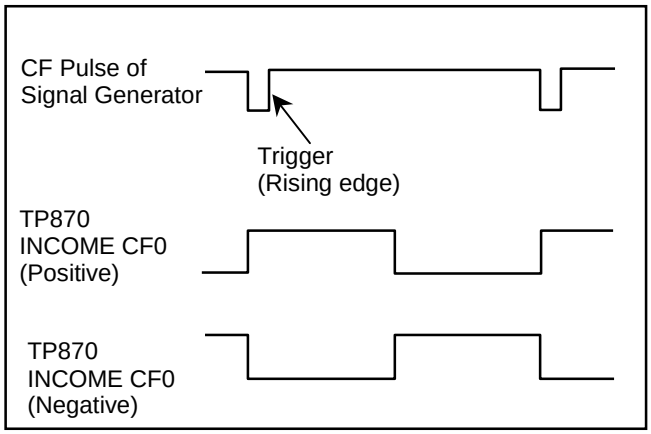
1. Set the Video Input Select Switch on the front panel to “CMPST” (Composite).
2. Turn VR300 fully clockwise and confirm that portion A is in the specification.



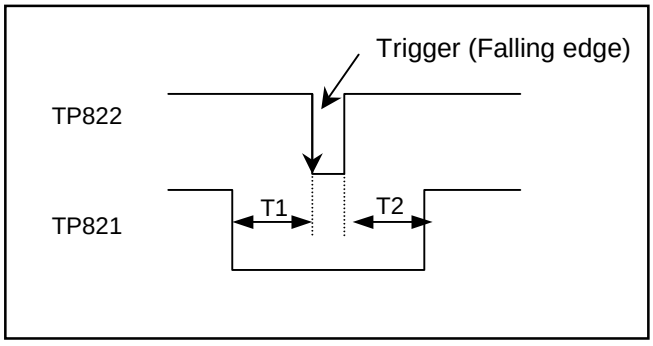
5-4. Composite SCH Detection Adjustment

BOARD	V IN (F2A)
TP	TP870 (INCF)[B-4], TP821(CF1), TP822(CF2)[A-2]
ADJ.	VR301 (SCH)[B-1]
TAPE	-----
INPUT	CF Signal of Signal Generator Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Oscilloscope
SPEC.	T1=T2 ± 0.5msec

1. Set the Video Input Select Switch on the front panel to “CMPST” (Composite).
2. Connect the scope CH1 to TP870 and CH2 to CF Pulse of the signal generator. And set the trigger channel to CH2. (Triggered by rising edge.)
3. Set VR301 fully counterclockwise.
4. If income CF0 pulse of the TP870 is positive pulse, turn the VR301 clockwise until changing from positive to negative as shown bellow.
5. Turn the VR301 clockwise slowly until just changing from negative to positive as shown below.



6. Connect the scope CH1 to TP822 and CH2 to TP821.
7. Adjust VR301 so that the low portion of TP822 is positioned at the center of low portion at TP821. (T1=T2 ± 0.5msec)

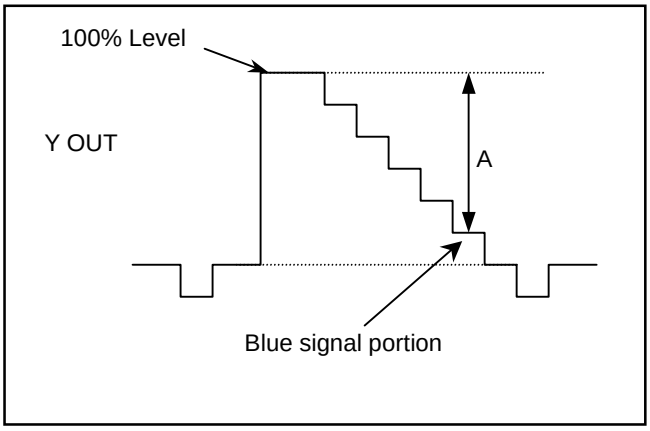


5-5. Component Y signal level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C01: NENT Y GAIN (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Y signal(100%←→Blue) : 620 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the VIN ADJUST MENU.
3. Select **C-1: CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C01 NENT Y GAIN** so that the level "A" is in the specification. (Level "A" is between 100% portion and blue signal portion.)
5. Close the menu.



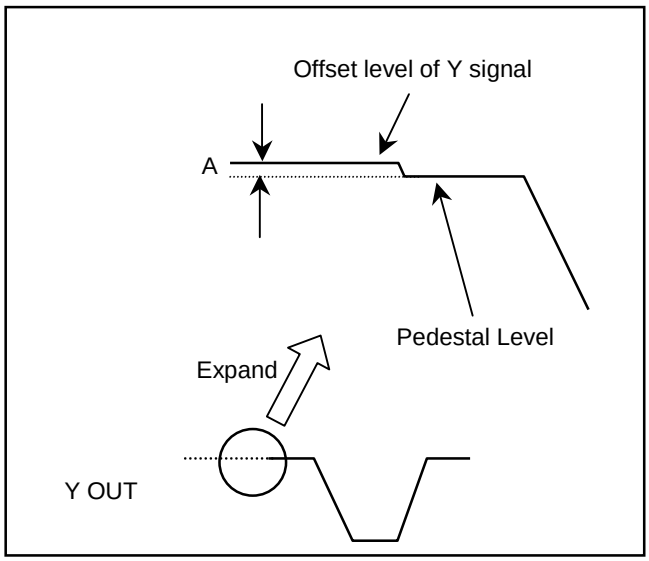
Note:
When open the "C-1: CMPNT ADJUST" page of the Service Menu, the Video Input Select is changed to ***"Y PB PR"*** *(Component Input) automatically.*
And also, when open the "C-2: CMPST ADJUST" page of the Service Menu, the Video Input Select is changed to ***"CMPST"*** *(Composite Input) automatically. However, the indicator of video input on the front panel is not changed.*

5-6. Component Y Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C02: NENT Y OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pedestal level and the offset level of Y signal(A):0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C02 NENT Y OFS** so that the level "A" is in the specification. (Level "A" is the difference between the pedestal level and offset level of Y signal.)
5. Close the menu.

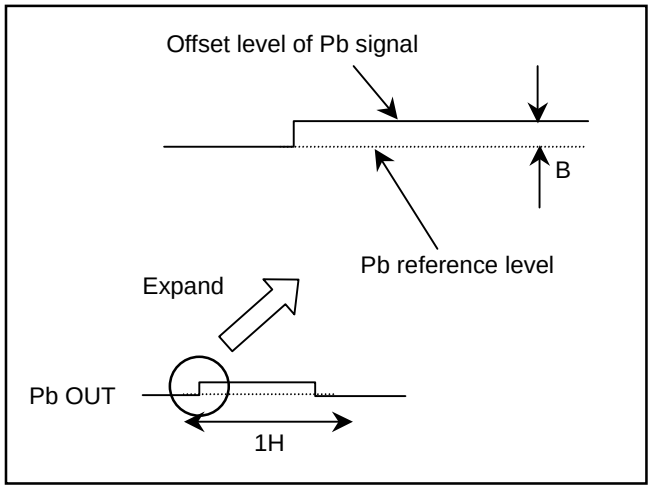


5-7. Component Pb Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component PB OUT
ADJ.	C04: NENT PB OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pb reference level and the offset level of the Pb signal. (B) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C04 NENT PB OFS** so that the level "B" is in the specification. (Level "B" is the difference between the Pb reference level and the offset level of the Pb signal.)
5. Close the menu.

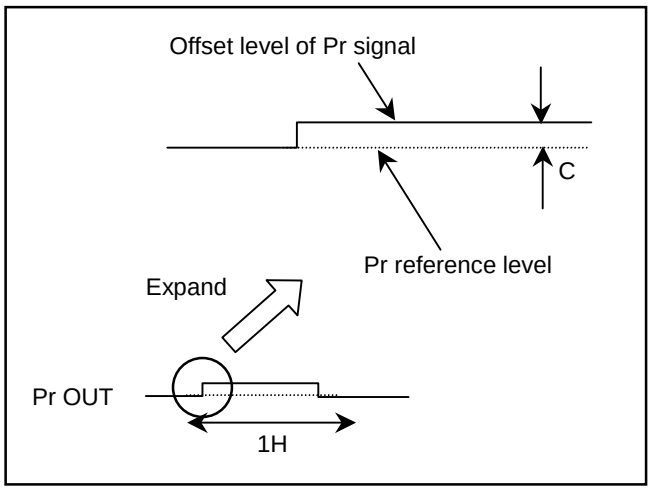


5-8. Component Pr signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component PR OUT
ADJ.	C07: NENT PR OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pr reference level and the offset level of the Pr signal. (C) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C07 NENT PR OFS** so that the level "C" is in the specification. (Level "C" is the difference between the Pr reference level and the offset level of the Pr signal.)
5. Close the menu.

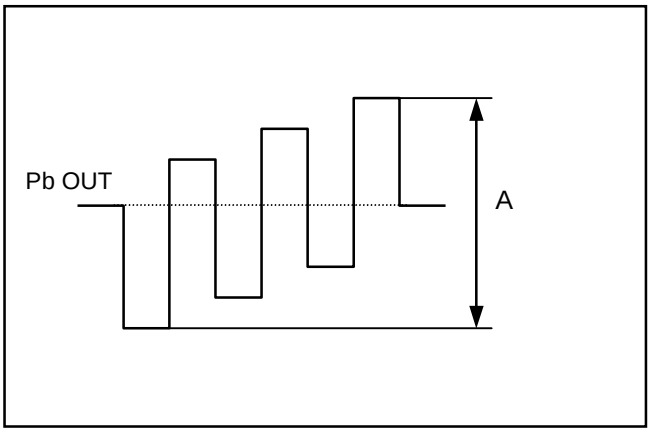


5-9 Component Pb signal Level Adjustment

BOARD	V IN (F2A)
TP	Component PB OUT
ADJ.	Service Menu
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pb signal level (A): 700 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C03 NENT PB GAIN** so that the level "A" is in the specification.
5. Close the menu.

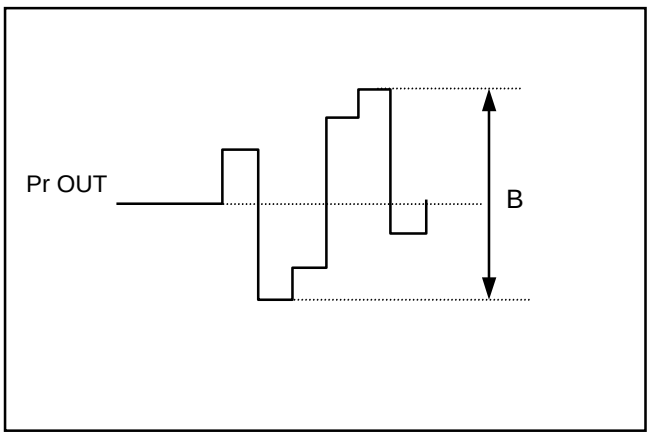


5-10.Component Pr Signal Level Adjustment

BOARD	V IN (F2A)
TP	Component PR OUT
ADJ.	Service Menu
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pr signal level (B): 700 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C06 NENT PR GAIN** so that the level "B" is in the specification.
5. Close the menu.

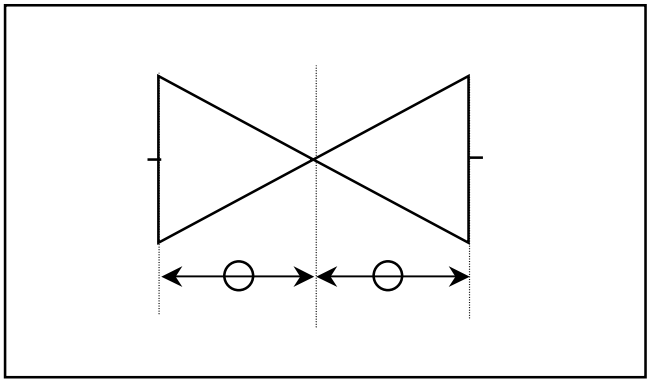


5-11. Component Pb Signal Timing Adjustment

BOARD	V IN (F2A)
TP	Component Y/Pb OUT
ADJ.	C05: NENT PB TMG (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (Bowtie)
MODE	EE
M. EQ	Analog WFM (Bowtie mode)
SPEC.	Relative Timing: 0 ± 5nsec

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C05 NENT PB TMG** so that the crossing point of the Bowtie signal becomes a center (Timing = 0 ± 5nsec).
5. Close the menu.



<Note>

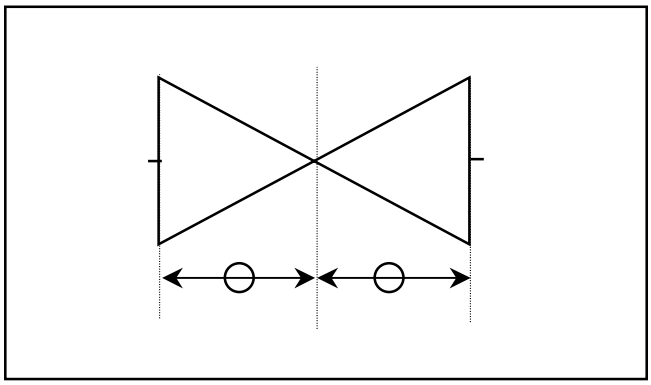
Incase of WFM does not have "Bow tie mode" (Y-Pb timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.

5-12. Component Pr Signal Timing Adjustment

BOARD	V IN (F2A)
TP	Component Y/Pr OUT
ADJ.	C08: NENT PR TMG (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (Bowtie)
MODE	EE
M. EQ	Analog WFM (Bowtie mode)
SPEC.	Relative Timing: 0 ± 5nsec

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C08 NENT PR TMG** so that the crossing point of the Bowtie signal becomes a center (Timing = 0 ± 5nsec).
5. Close the menu.



<Note>

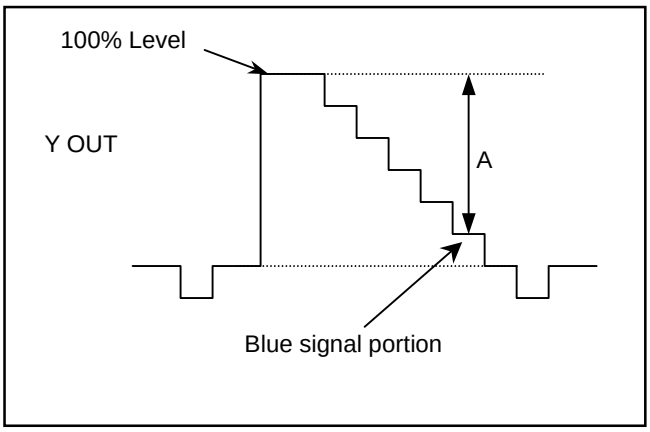
Incase of WFM does not have "Bow tie mode" (Y-Pr timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.

5-13.Composite Y signal Level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C01: SITE Y GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Y signal (A)(100%←→Blue) : 620 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C01 SITE Y GAIN** so that the level "A" is in the specification. (Level "A" is between 100% portion and Blue signal portion.)
5. Close the menu.

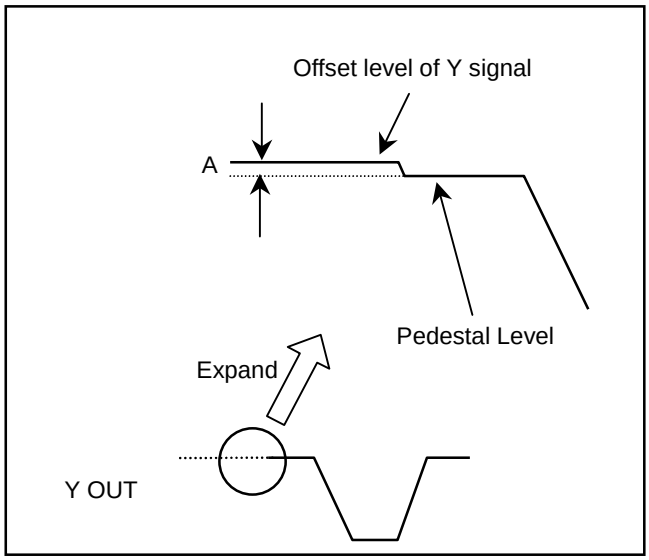


5-14.Composite Y Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C02: SITE Y OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pedestal level and the offset level of Y signal (A) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: V IN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C02 SITE Y OFS** so that the level "A" is in the specification. (Level "A" is the difference between the pedestal level and offset level of Y signal.)
5. Close the menu.

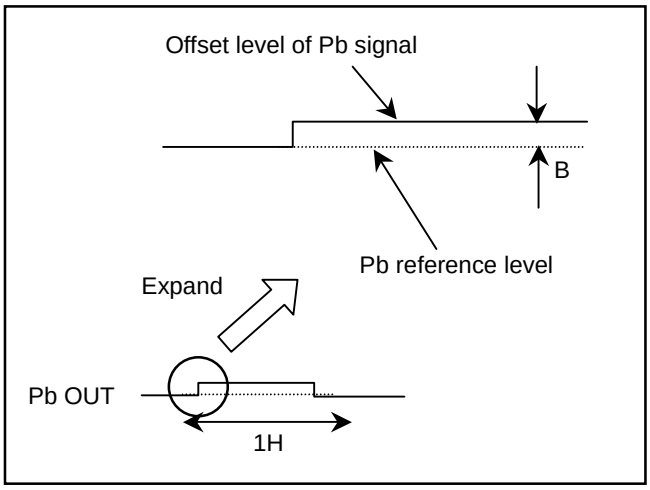


5-15.Composite Pb Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Pb OUT
ADJ.	C04: SITE PB OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pb reference level and the offset level of the Pb signal. (B) : 0± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C04 SITE PB OFS** so that the level "B" is in the specification. (Level "B" is the difference between the Pb reference level and the offset level of the Pb signal.)
5. Close the menu.

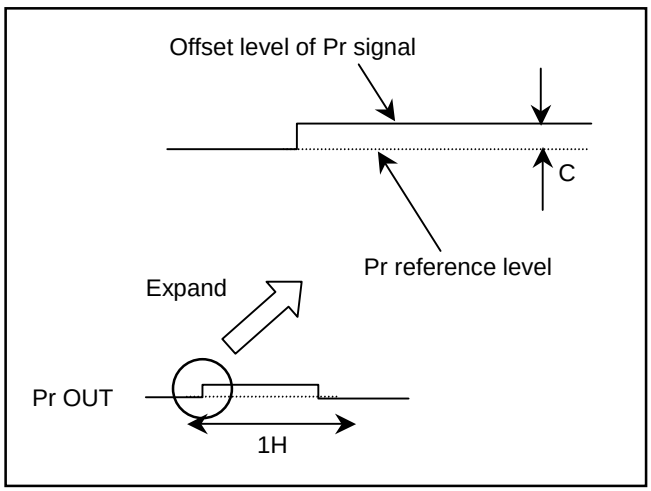


5-16.Composite Pr signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Pr OUT
ADJ.	C07: SITE PR OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pr reference level and the offset level of the Pr signal. (C) : 0± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C07 SITE PR OFS** so that the level "C" is in the specification. (Level "C" is the difference between the Pr reference level and the offset level of the Pr signal.)
5. Close the menu.

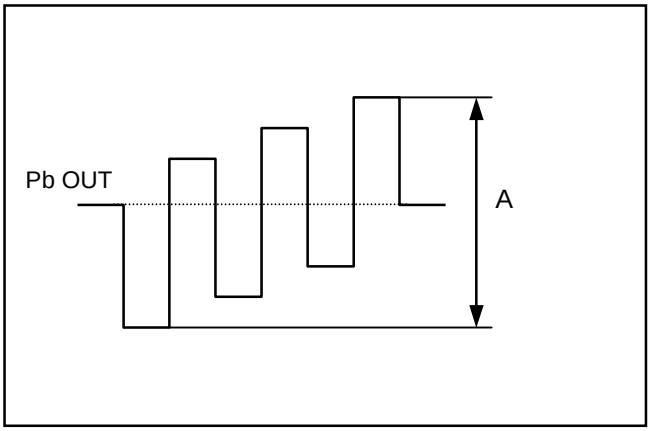


5-17.Composite Pb signal Level Adjustment

BOARD	V IN (F2A)
TP	Composite PB OUT
ADJ.	C03: SITE PB GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pb signal level (A): 700± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C03 SITE PB GAIN** so that the level "A" is in the specification.
5. Close the menu.

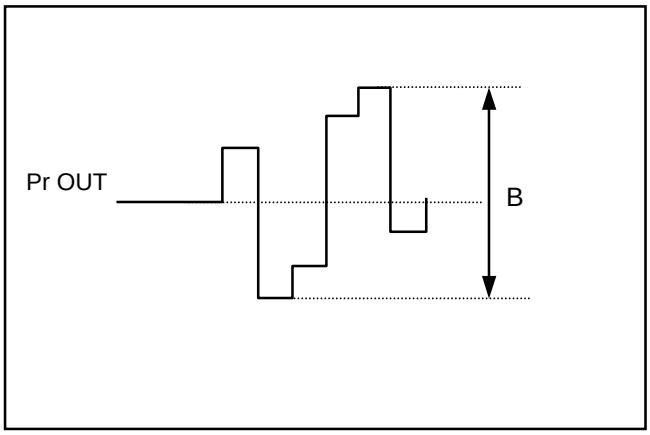


5-18.Composite Pr Signal Level Adjustment

BOARD	V IN (F2A)
TP	Composite PR OUT
ADJ.	C06: SITE PR GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pr signal level (B): 700± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C06 SITE PR GAIN** so that the level "B" is in the specification.
5. Close the menu.



5-19.Composite Pb/Pr Signal Timing Adjustment

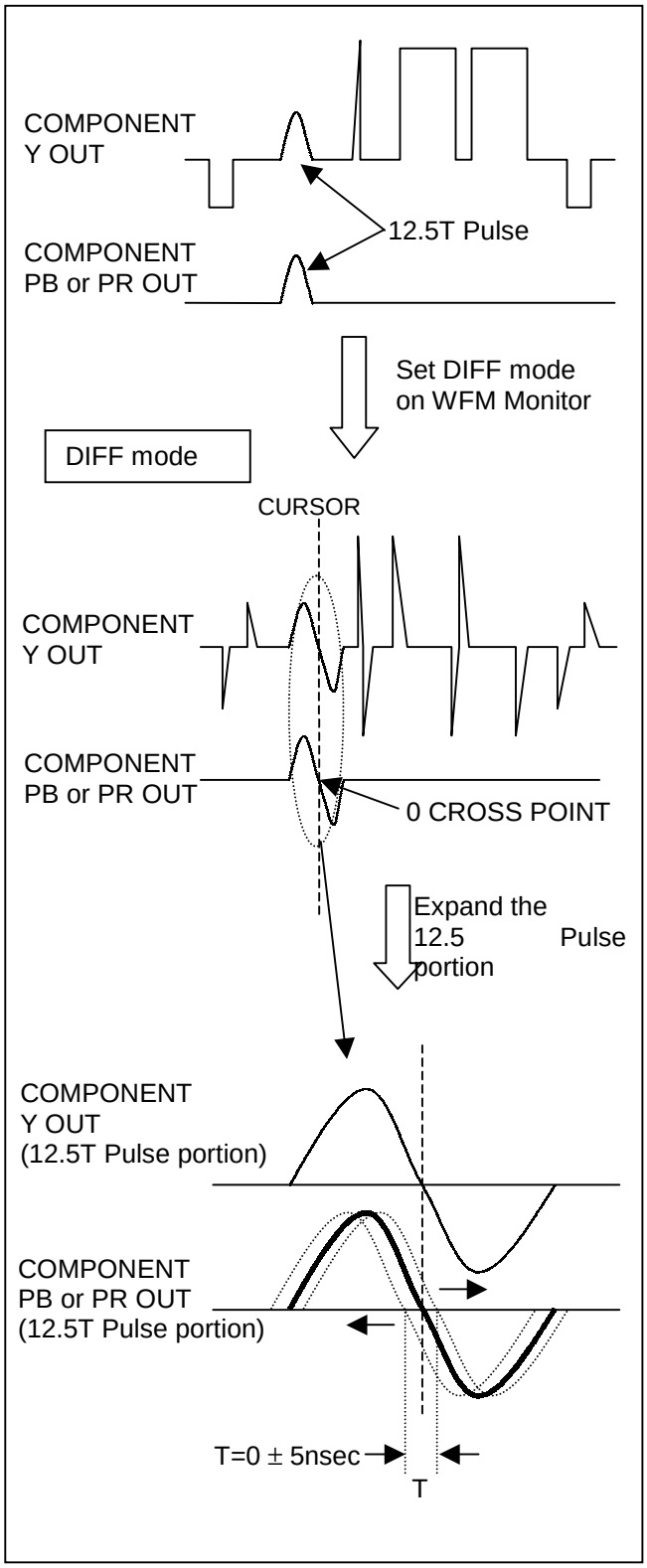
BOARD	V IN (F2A)
TP	Y, Pr, Pb OUT
ADJ.	C05: SITE PB TMG (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (Pulse and Bar with 12.5T modulation Signal)
MODE	EE
M. EQ	Analog WFM (DIFF mode)
SPEC.	T = 0± 5nsec

(This adjustment performs without extender board.)

1. Confirm that the 12.5T modulation signal portion of Component Y OUT is displayed correctly on the WFM as shown in figure.
2. Confirm that the 12.5T modulation signal portion of Component PB and PR OUT is displayed correctly on the WFM as shown in figure.
3. Set WFM monitor to DIFF mode. In the DIFF mode, waveform of Y and PB or PR signals are integrated as shown in figure.
4. Expand the 12.5 pulse portion (an ellipse dotted portion as indicated in figure) and set the cursor to 0 cross point as shown in figure.
5. Open the SERVICE MENU (Refer to SEC1 Service Information.)
6. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
7. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
8. Adjust the **C05 SITE PB TMG or C08 SITE PR TMG** so that the signal timing between Y and PB or PR signal is in the specification.
9. Close the Menu.

NOTE:

Please use WFM Monitor with DIFF mode.

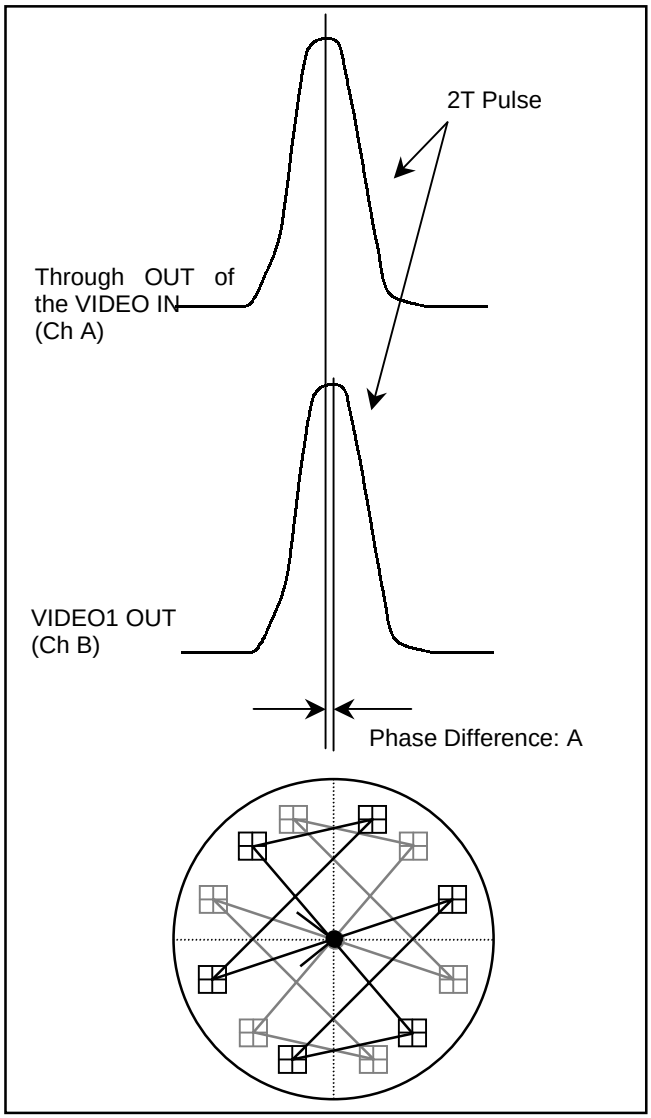


5-20.Composite Video Out Phase Adjustment

BOARD	V IN (F2A)
TP	VIDEO IN THRU VIDEO1 OUT
ADJ.	VR450 (SYNCϕ)[A-1]
TAPE	-----
INPUT	Analog Composite Signal (Pulse and Bar with 2T modulation Signal) (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Phase Difference A : 0 ± 10nsec

(This adjustment performs without extender board.)

1. Input Pulse and Bar signal to Video IN terminal. Adjust VR450 (SYNCϕ) so that the phase difference of 2T pulse between through out of the VIDEO IN and the VIDEO OUT 1 is in the specification.
2. Change input signal to 100% color bar signal. Then confirm that signal line on a vector scope should be linear line. If it is not, execute fine adjustment of VR450.

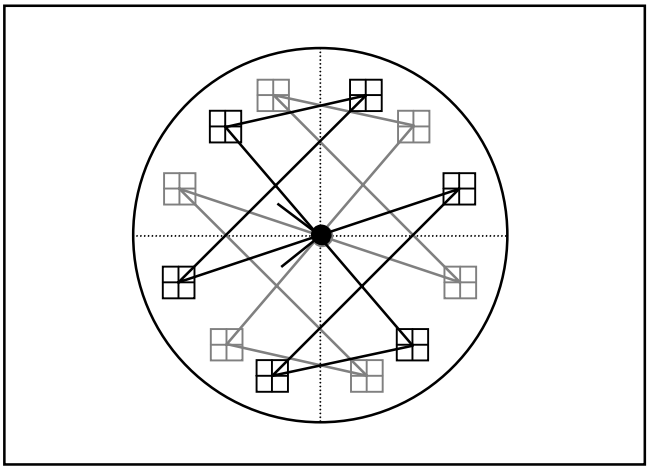


5-21.Composite Vector Adjustment

BOARD	V IN (F2A)
TP	VIDEO 1 OUT
ADJ.	C09: SITE CAXIS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	All vector dots are in the inner box

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust **C09 SITE CAXIS** so that the all vector dots are in the inner box.
5. Close the menu.



6. REC/PB (F4)

6-1. Setting

< User Menu & Front Switch Setting>

1. Open the User Menu and set the items as shown below.

MENU	Setting
012 SYS FORMAT	50M
013 PB FORMAT	AUTO
803 TELETEXT DET	AUTO
804 BLANK LINE	THRU

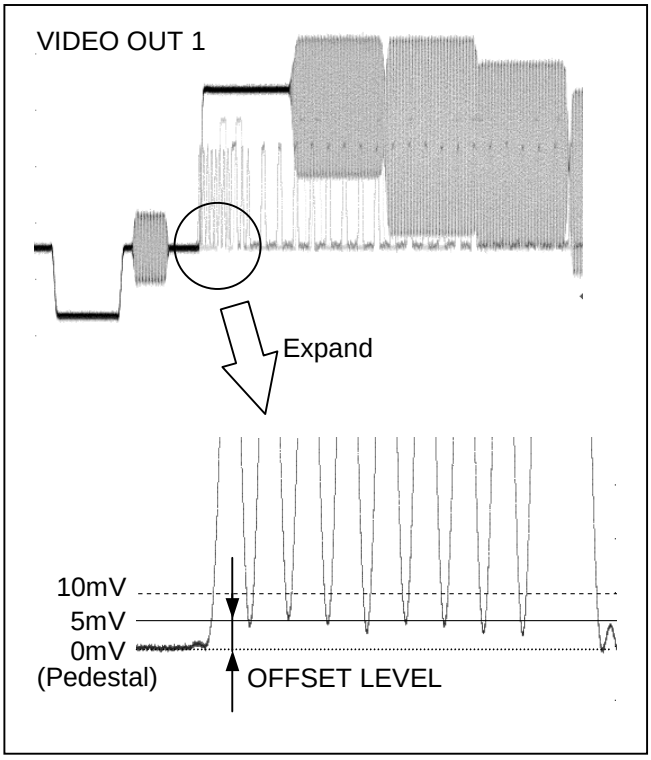
2. Set the Front Switch as shown bellow.

MODE SW	EE
TCG SW	INT REGEN
SUPER	ON

6-2. V-BLK TELETEXT OFFSET LEVEL Adjustment

BOARD	REC/PB (F4)
TP	VIDEO OUT 1
ADJ.	VR701 (TXT OFST)[B-2]
TAPE	525(NTSC): VFM3380KM Alignment Tape (Color bar 0:00-4:00)
INPUT	-----
MODE	Playback
M. EQ	Analog WFM or Oscilloscope
SPEC.	Average 5mV± 5mV

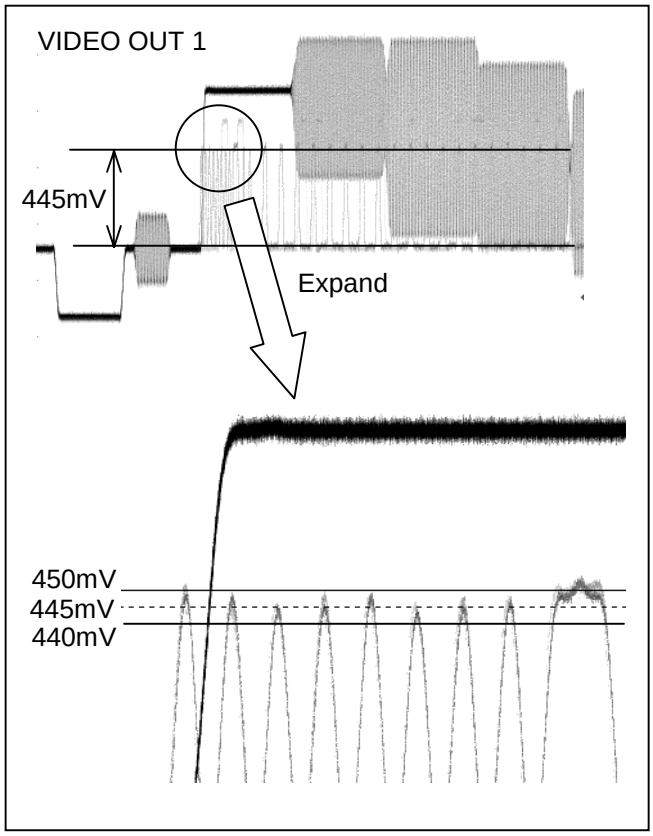
1. Adjust VR701 so that the TELETEXT offset level is in the specification as shown in figure.



6-3. V-BLK TELETEXT LEVEL Adjustment

BOARD	REC/PB (F4)
TP	VIDEO OUT 1
ADJ.	VR700 (TXT LEVEL)[B-2]
TAPE	525(NTSC): VFM3380KM Alignment Tape (Color bar 0:00-4:00)
INPUT	-----
MODE	Playback
M. EQ	Analog WFM or Oscilloscope
SPEC.	Average 445mV± 5mV (Pedestal-maximum portion of teletext)

1. Adjust VR700 so that the TELETEXT level is in the specification as shown in figure.



7. AUDIO (F1) & RF/CUE

7-1. Setting and VR Location

1. Set the audio impedance switches on the Audio (F1) board as shown below.

   SW100(CH1) : HIGH SW101(CH2) : HIGH
   SW200(CH3) : HIGH SW201(CH4) : HIGH

2. Set the Front Switch as shown bellow.

REC VR(CH1,CH2)	Center
Audio Input Select	ANALOG
REMOTE/LOCAL	LOCAL
HEAD PHONES	L(CH1) R(CH2)
HP VR	Center

1. Set the Audio Analyzer as shown below.

Audio Analyzer	
GENERATOR OUTPUT	50Ω (A&B, BAL, FLOAT)
ANALYZER CHA INPUT	100KΩ
ANALYZER CHB INPUT	100KΩ
UNIT SETTING	dBu

<Service Menu Setting>

1. Open the Service Menu. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST**.
3. Set the items as shown below

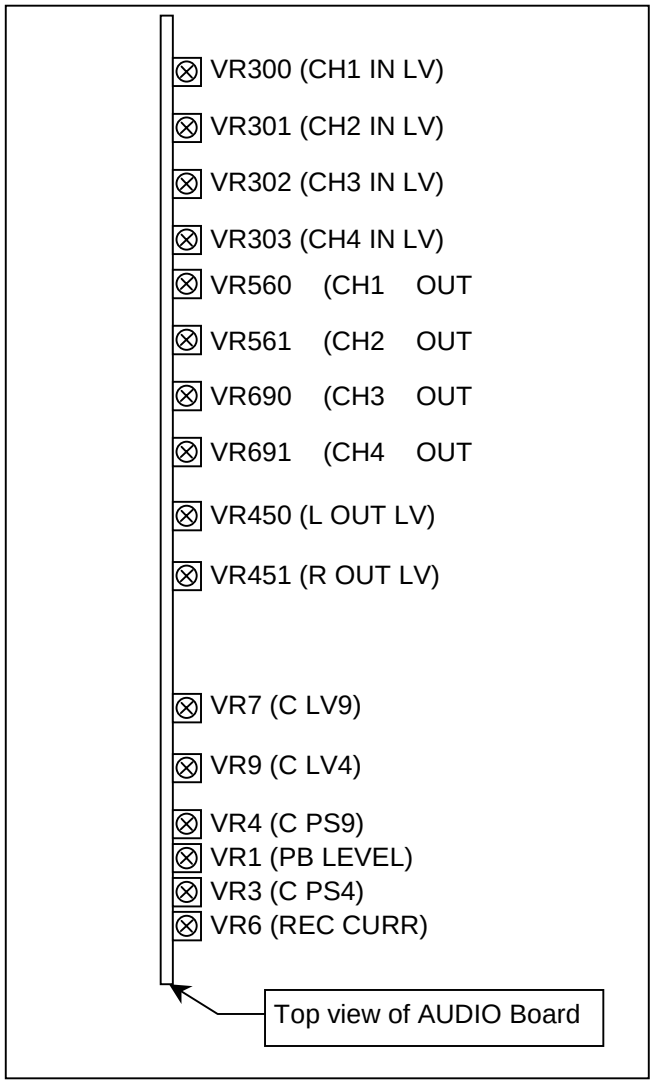
MENU	Setting
G01:REF LEVEL1	FS-20
G02:REF LEVEL2	0dB
G03:REF LV INI	0dB
G05:MIC IN LV	ENA
G06:AES PHS CORR	NORMAL
G09:LINE OUT CUE	OFF

<User Menu Setting>

1. Open the User Menu and set the items as shown below.

MENU	Setting
012 SYS FORMAT	50M
013 PB FORMAT	AUTO
701 CH1 IN LEV	0dB
702 CH2 IN LEV	0dB
703 CH3 IN LEV	0dB
704 CH4 IN LEV	0dB
706 CH1 OUT LEV	0dB
707 CH2 OUT LEV	0dB
708 CH3 OUT LEV	0dB
709 CH4 OUT LEV	0dB
711 MONIL OUT LV	0dB
712 MONIR OUT LV	0dB
722 REC CH1	CH1
723 REC CH2	CH2
724 REC CH3	CH3
725 REC CH4	CH4
726 REC CUE	CH1
738 AUDIO VR SEL	REC
750 DV PB ATT	ON

<VR Location of AUDIO Board>



7-2. CH1-4 Output Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1-4, MON L,R)
ADJ.	VR560 (CH1 OUT LV)[G-2] VR561 (CH2 OUT LV)[G-2] VR690 (CH3 OUT LV)[F-2] VR691 (CH4 OUT LV)[E-2] VR450 (L OUT LV)[E-2] VR451 (R OUT LV)[D-2]
TAPE	-----
INPUT	INT SG
MODE	EE
M. EQ	Audio Analyzer
SPEC.	0dBu ± 0.2dB

1. Set the AUDIO INPUT SELECT switch to **"SG"**.
2. Adjust VR560 so that the CH1 OUT level is in the specification.
3. Adjust VR561 so that the CH2 OUT level is in the specification.
4. Adjust VR690 so that the CH3 OUT level is in the specification.
5. Adjust VR691 so that the CH4 OUT level is in the specification.
6. Adjust VR450 so that the MON L OUT level is in the specification.
7. Adjust VR451 so that the MON R OUT level is in the specification.
8. Confirm that the level meter (CH1-4, CUE) on the front panel is displayed at –20dB.

7-3. CH1-4 Input Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1-4)
ADJ.	VR300 (CH1 IN LV)[J-2] VR301 (CH2 IN LV)[J-2] VR302 (CH3 IN LV)[H-2] VR303 (CH4 IN LV)[G-2]
TAPE	-----
INPUT	LINE IN CH1-4 (1KHz 0dBu, Sinewave)
MODE	EE
M. EQ	Audio Analyzer
SPEC.	0dBu ± 0.2dB

1. Set the AUDIO INPUT SELECT switch to **"ANALOG"**.
2. Adjust VR300 so that the CH1 OUT level is in the specification.
3. Adjust VR301 so that the CH2 OUT level is in the specification.
4. Adjust VR302 so that the CH3 OUT level is in the specification.
5. Adjust VR303 so that the CH4 OUT level is in the specification.

7-4. REC VR Center Adjustment

BOARD	AUDIO (F1)
TP	LINE OUT (CH1-4)
ADJ.	G10: VR ADJUST (Service Menu)
TAPE	-----
INPUT	INT SG
MODE	EJECT
M. EQ	Audio Analyzer
SPEC.	UNITY and VAR of CENTER click portion are same level.

1. Set the UNITY/VAR SW to "UNITY".
2. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
3. Select the **G00: AUDIO ADJUST** and press the "SET" button to open the AUDIO ADJUST MENU.
4. Select **G10 VR ADJUST** and press the "SET" button to open the VR ADJUST menu.

```
SERVICE-MENU: VR ADJ
                              NO. 00 - 130
* 00  :  CH1 VR LEVEL   -  130
            BACKUP      -  130
* 01  :  CH2 VR LEVEL   -  127
            BACKUP      -  127
* 02  :  CH3 VR LEVEL   -  122
            BACKUP      -  122
* 03  :  CH4 VR LEVEL   -  131
            BACKUP      -  131
```

5. Set the Audio level VR (CH1-4) to "CENTER (Click portion)".
6. Press the "SEARCH" button to adjust the center level of REC VR. (The numeric number for CH1-4 is changed simultaneously.)
7. Set the UNITY/VAR SW to "VAR". And close the menu. (Press the MENU button 3 times)
8. Confirm that the output level of each channel is same level at both setting of "UNITY" and "VAR (Center)"

7-5. CUE BIAS CURRENT Adjustment

BOARD	RF/CUE
TP	TP4005 [RF/CUE Board] TP4006 (GND) [RF/CUE Board]
ADJ.	VR4001(BIAS), FL4001(Core)
TAPE	Blank Tape
INPUT	No audio input
MODE	REC
M. EQ	VTVM (Wide mode)
SPEC.	7mVrms ± 0.5 mVrms

1. Set the VR4001 (BIAS) to the center position.
2. Connect the Vacuum Tube Voltmeter between TP4005 (HOT) and TP4006 (GND).
   Adjust FL4001 and VR4001 so that the voltage is in the specification.

<Note>
Adjustment position of VR4001 should not be maximum position. If it is maximum position, adjust FL4001.

7-6. CUE PB Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1)
ADJ.	G09: LINE OUT CUE (Service Menu) VR5001 (PB LEVEL)[B-1]
TAPE	VFM3380KM(50M Alignment Tape) VFM3580KM/KL(25M Alignment Tape)
INPUT	-----
MODE	Playback
M. EQ	Audio Analyzer
SPEC.	0dBu ± 1.0dB

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the "SET" button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>
During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Playback the 50M Alignment Tape, and adjust VR5001 (PB LEVEL) so that the LINE OUT CH1 level is in the specification.
5. Playback the 25M Alignment Tape (Indicate the "DVCPRO" on the front panel), and confirm that the LINE OUT CH1 level is in the specification.
6. Close the menu.

<Caution>
1. Clean the A/C head, before this adjustment is executed.
2. Confirm the tape path condition around A/C head.

7-7. CUE REC/PB Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1)
ADJ.	VR5006 (REC CURR)[A-1]
TAPE	Blank Tape
INPUT	AUDIO IN CH1,2 (1KHz 0dBu Sinewave)
MODE	SELF-REC / PLAY
M. EQ	Audio Analyzer
SPEC.	0dBu ± 1.0dB

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the "SET" button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>
During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Open the SET UP MENU by pressing the "MENU" button.
   Select the **"726 REC CUE"** item and set it to the **"CH1"**. After that press the "SET" button.
5. Supply a 1kHz, 0dBu sinewave signal into the AUDIO IN (Both CH1 and CH2) and record the input signal for few minutes.
6. Playback the just recorded portions and confirms that the AUDIO OUT (CH1) is in the specification.
7. If it is not, slightly adjust VR5006 and then repeat step 3 to 5 until it is in the specification.
8. Open the SET UP MENU again, and set the "012 SYSTM FORMAT" to 25M.
9. Perform the Item 3 to 4.

7-8. CUE Noise Cancel Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1)
ADJ.	VR5004 (C_PS9)[B-1] VR5007 (C_LV9)[C-1] VR5003 (C_PS4[A-1] VR5009 (C_LV4)[B-1]
TAPE	Blank Tape
INPUT	No audio input
MODE	SELF-REC / PLAY
M. EQ	Audio Analyzer, Oscilloscope
SPEC.	Noise level = Less than -40dBu

<Use Audio Analyzer>

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the "SET" button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>

During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Place the unit in the no audio mode and record few minute (50M mode).
5. Set the Audio analyzer as follows.
   MEASURE : BANDPASS
   BP/BR FREQ : 600Hz or 300Hz
   FILTER : OFF
6. Set BP/BR FREQ to 600Hz and playback the no audio portion.
7. Adjust VR5007 and VR5004 alternately so that the noise level of CH1 out is minimized. And confirm the noise level is in the specification.
8. Place the unit in the no audio mode and record few minute (25M mode).
9. Set BP/BR FREQ to 300Hz and playback the no audio portion.
10. Adjust VR5009 and VR5003 alternately so that the noise level of CH1 out is minimized. And confirm the noise level is in the specification.

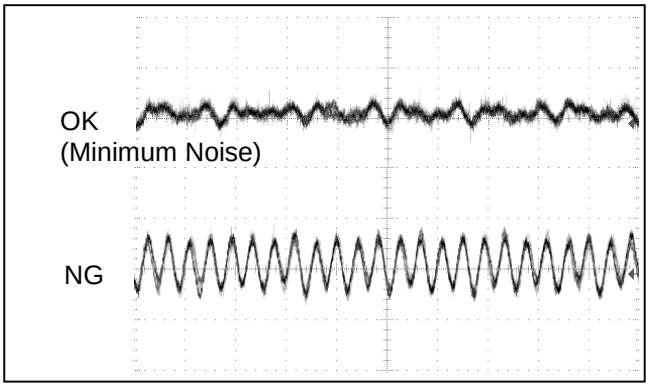
<Use Oscilloscope>

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the "SET" button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>

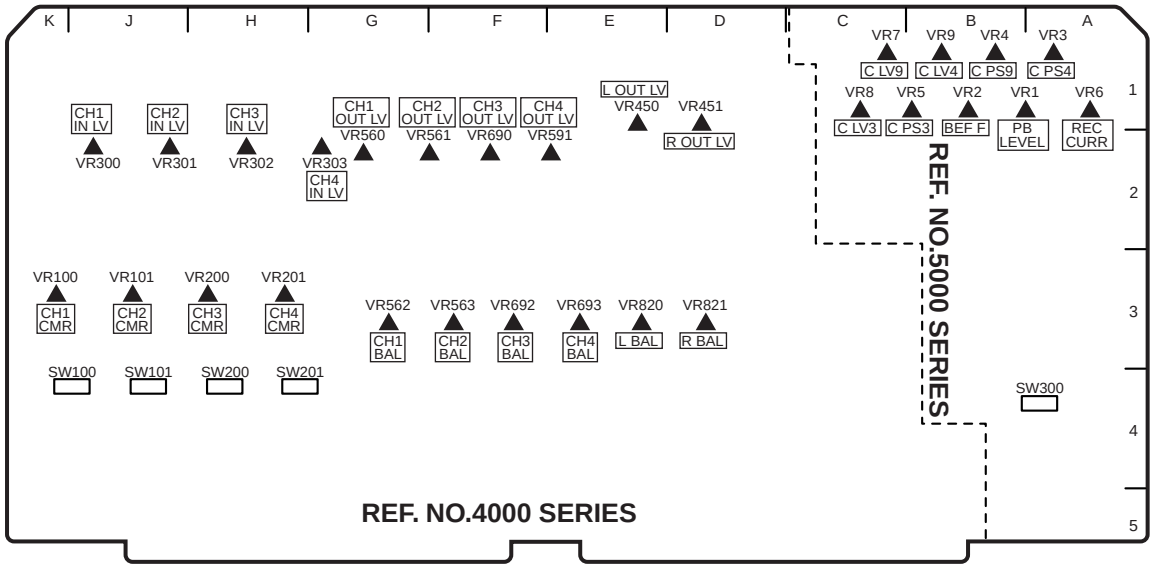
During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Connect the oscilloscope CH1 to Audio CH1 out.
5. Place the unit in the no audio mode and record few minute (50M mode).
6. Playback the no audio portion and adjust VR5007 and VR5004 alternately so that the noise level (A) of CH1 out is minimized.
7. Place the unit in the no audio mode and record few minute (25M mode).
8. Playback the no audio portion and adjust VR5009 and VR5003 alternately so that the noise level (A) of CH1 out is minimized.

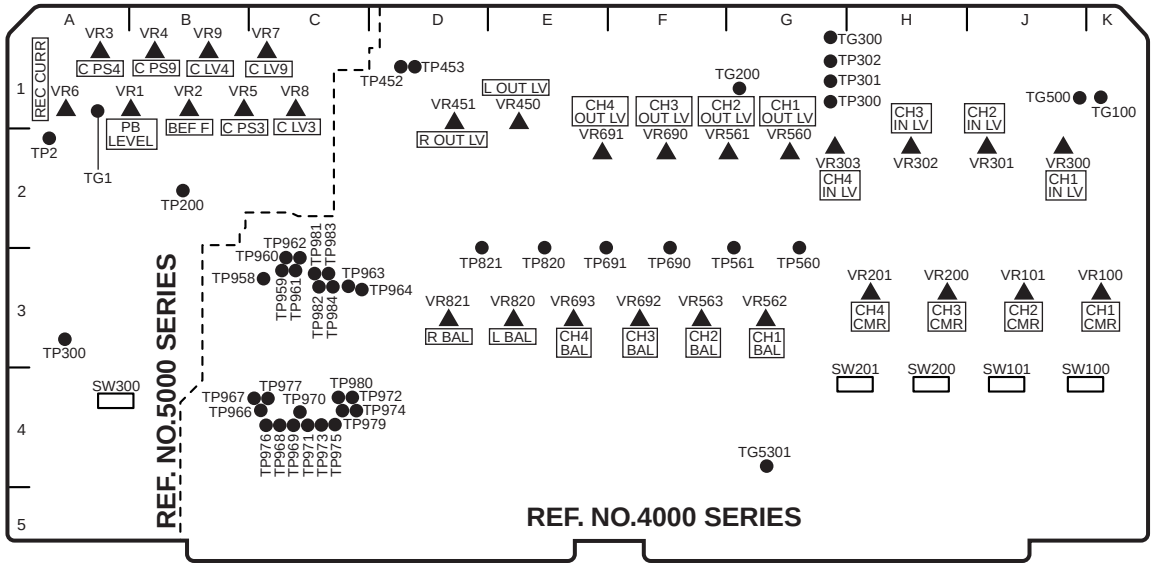


8. TP, VR and SW Location

F1: AUDIO P.C.BOARD (VEP84383A)

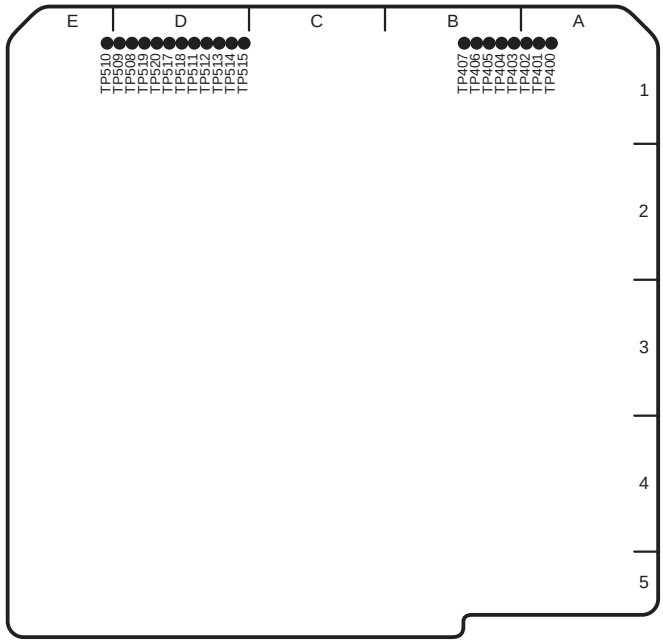


(FOIL SIDE)

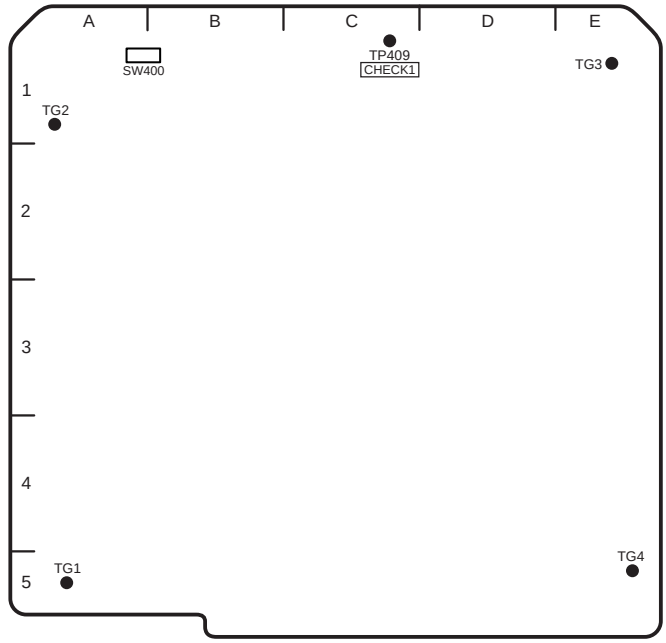


(COMPONENT SIDE)

F2B:A_PROC P.C.BOARD (VEP84384A)

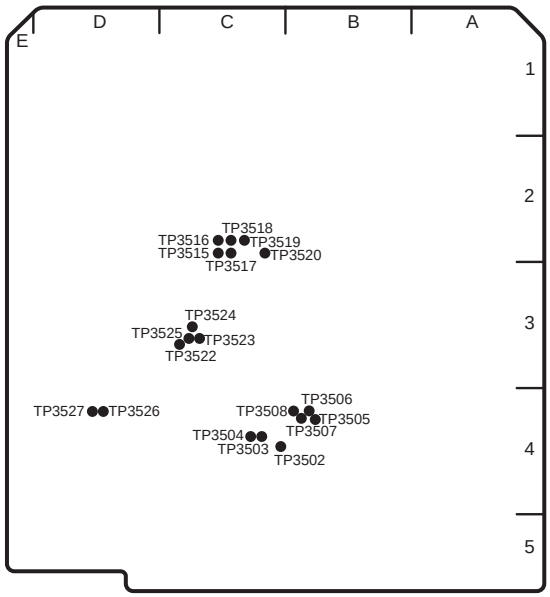


(FOIL SIDE)

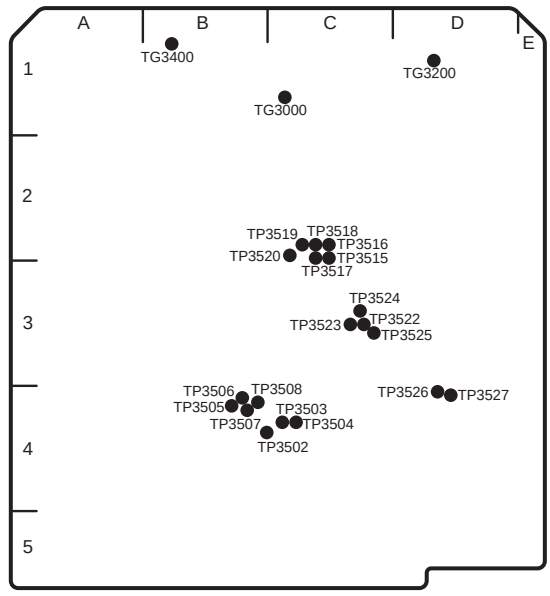


(COMPONENT SIDE)

F3A:SDI P.C.BOARD (VEP83605A)

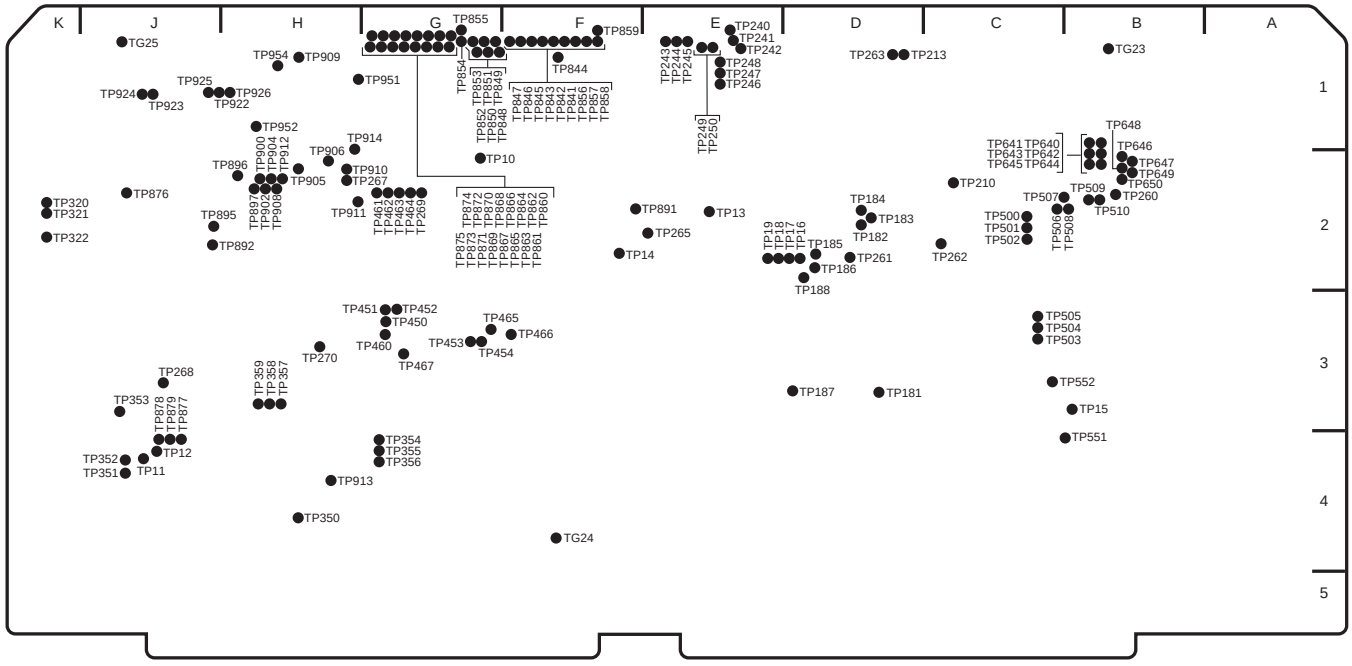


(FOIL SIDE)

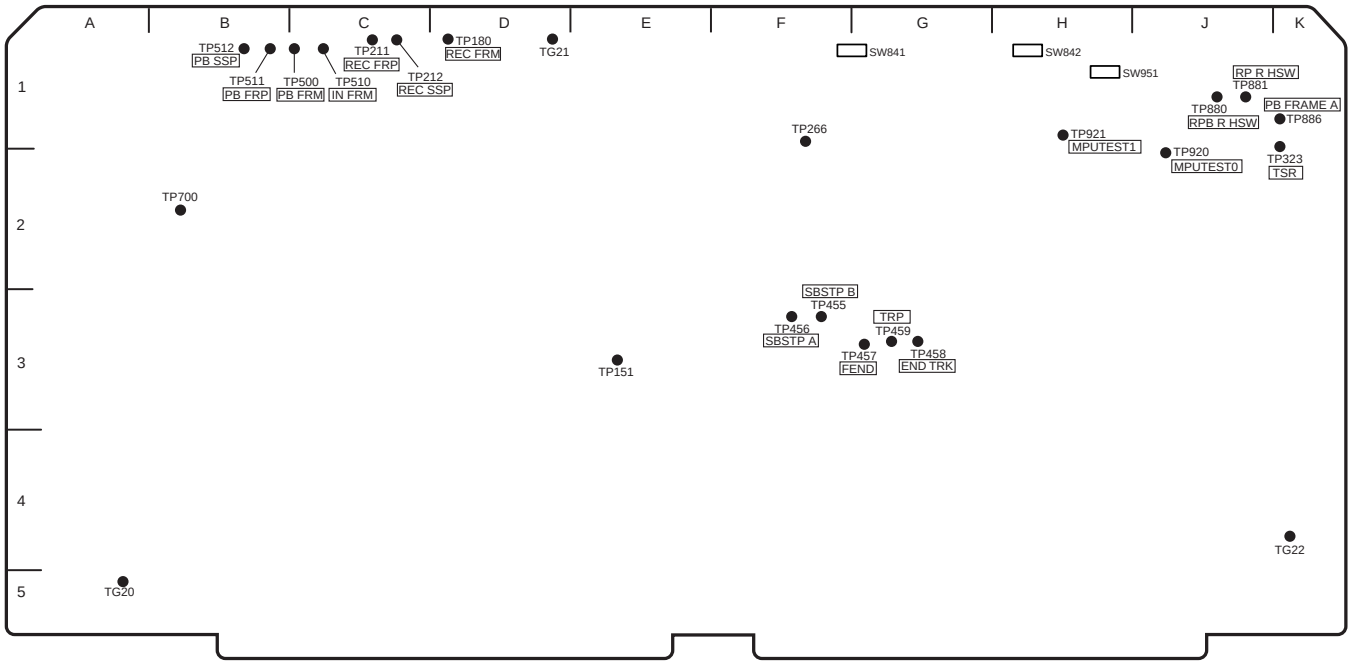


(COMPONENT SIDE)

F4: REC PB P.C.BOARD (VEP83596B/C)

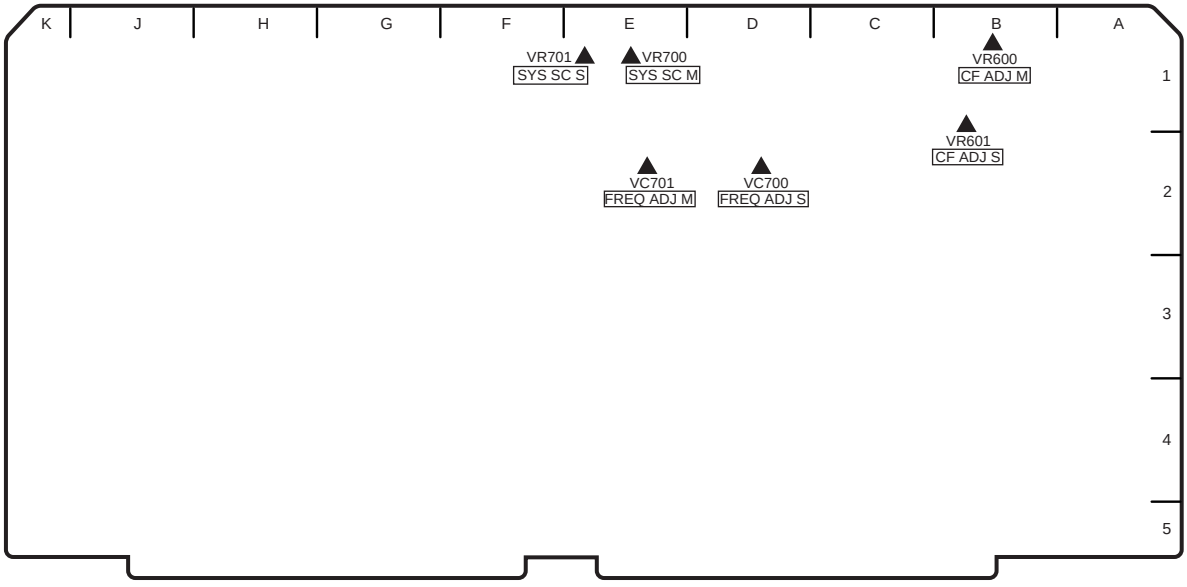


(FOIL SIDE)

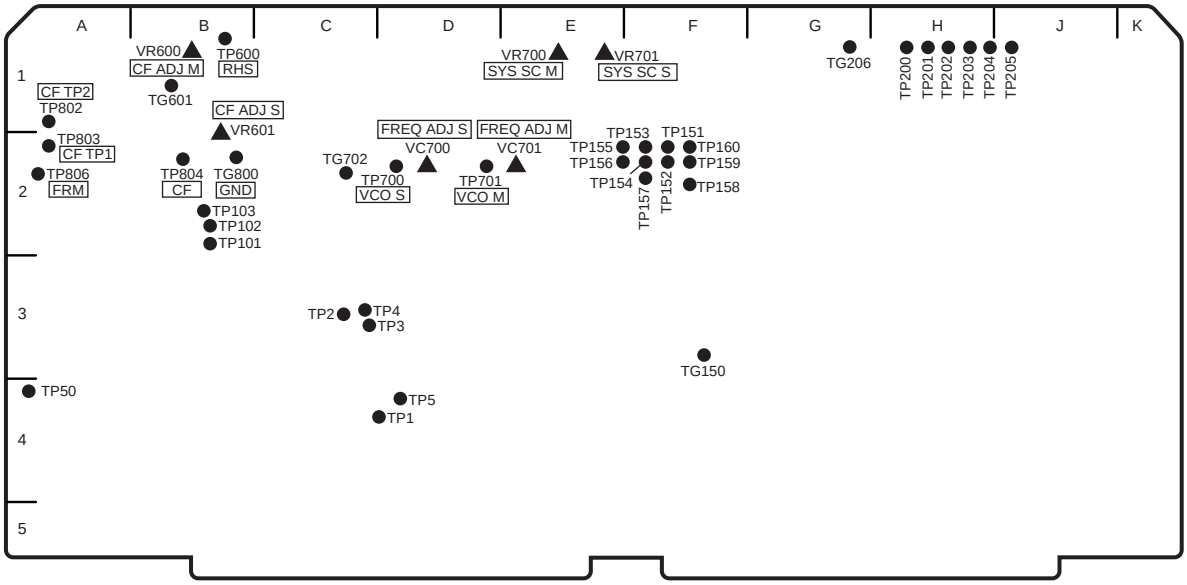


(COMPONENT SIDE)

F5: V_OUT P.C.BOARD (VEP83597B/C)

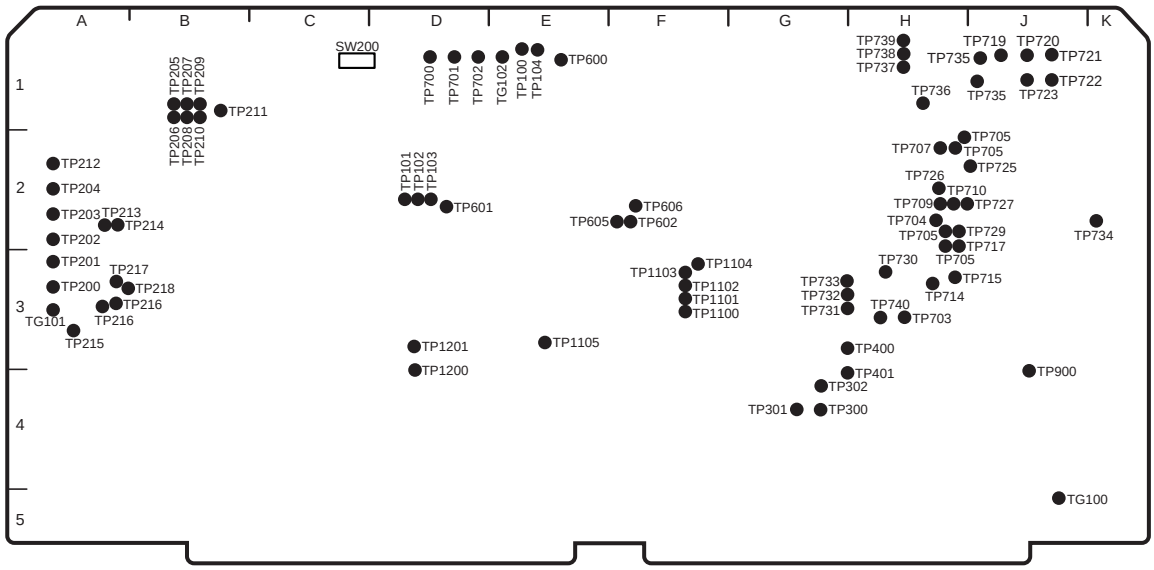


(FOLI SIDE)



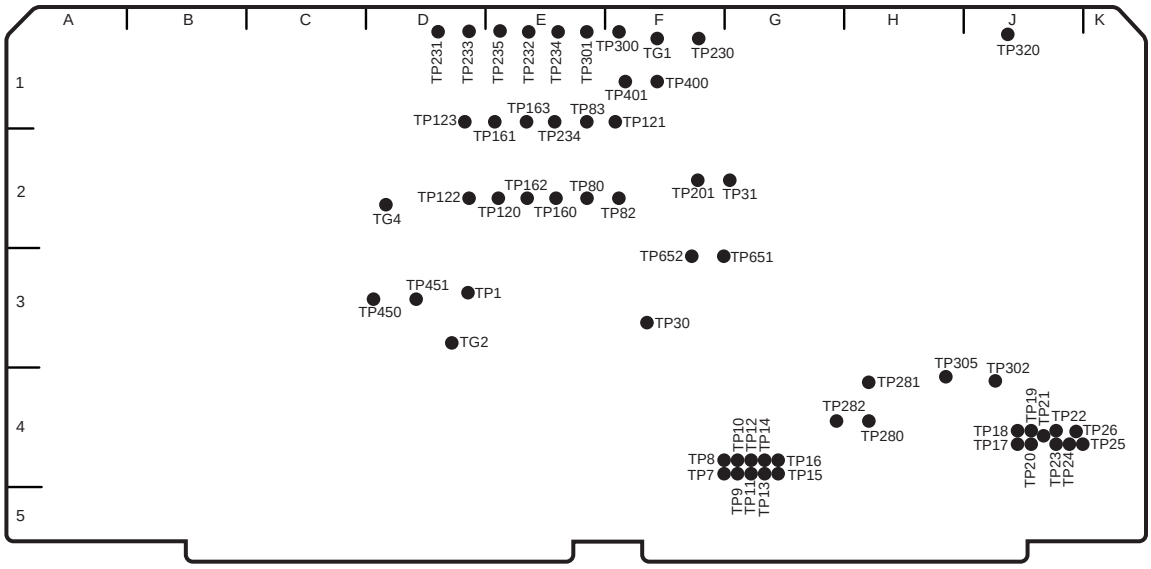
(COMPONENT SIDE)

F6: SYSCON P.C.BOARD (VEP86326B/C)



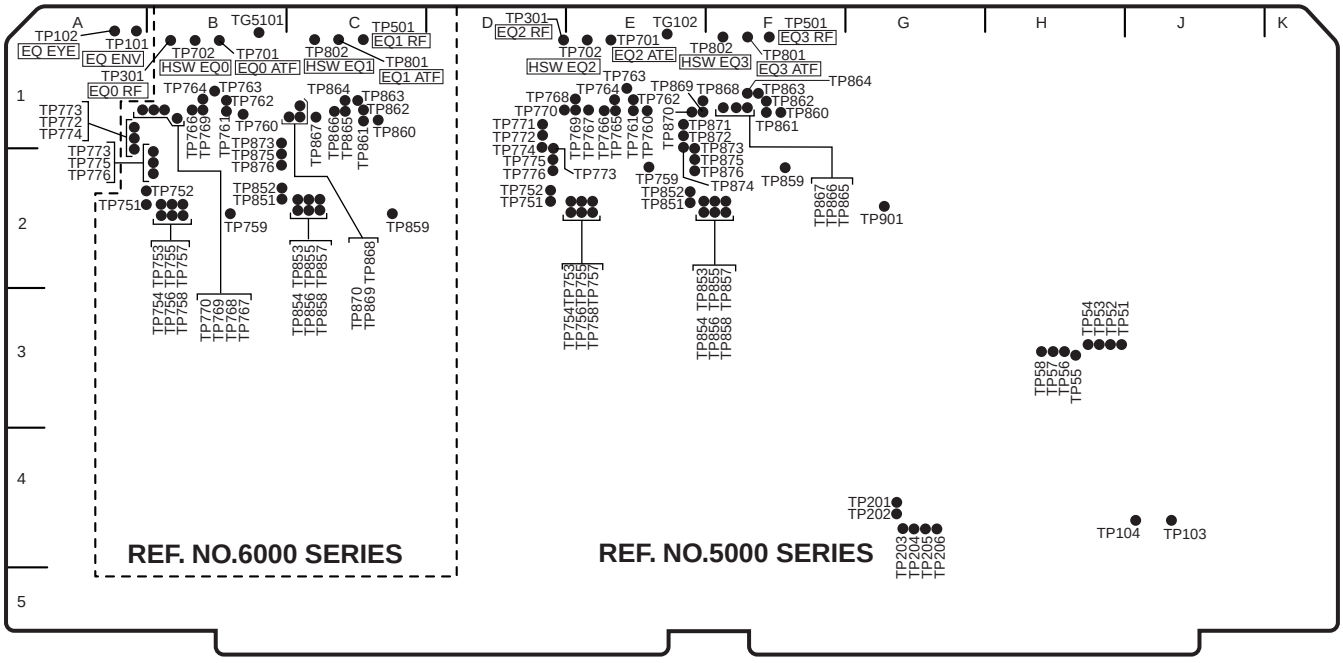
(COMPONENT SIDE)

F7: SERVO P.C.BOARD (VEP82246B/C)



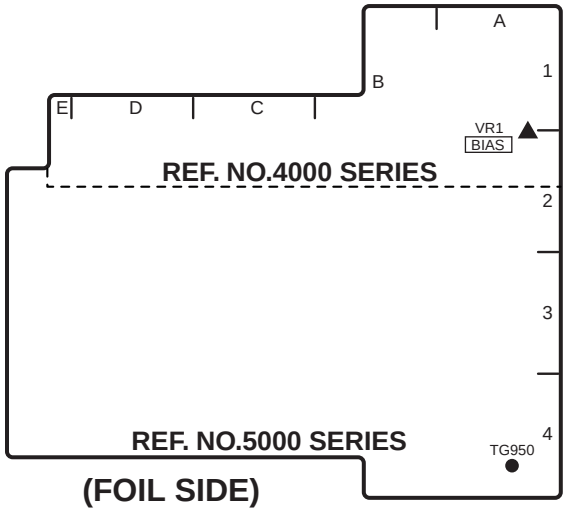
(COMPONENT SIDE)

F8: RF/EQ P.C.BOARD (VEP85207A)

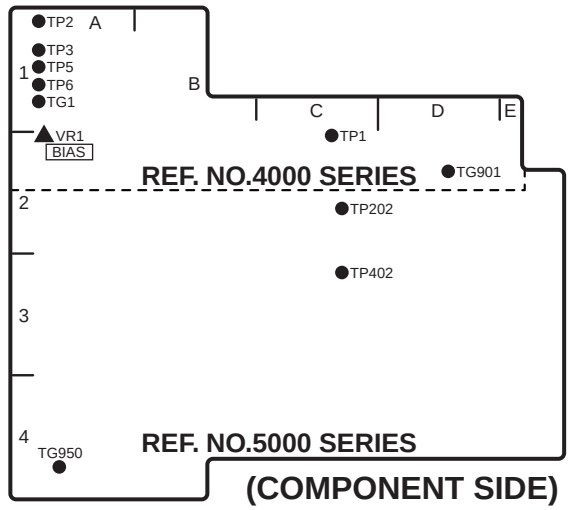


(COMPONENT SIDE)

RF/CUE P.C.BOARD (VEP85208A)

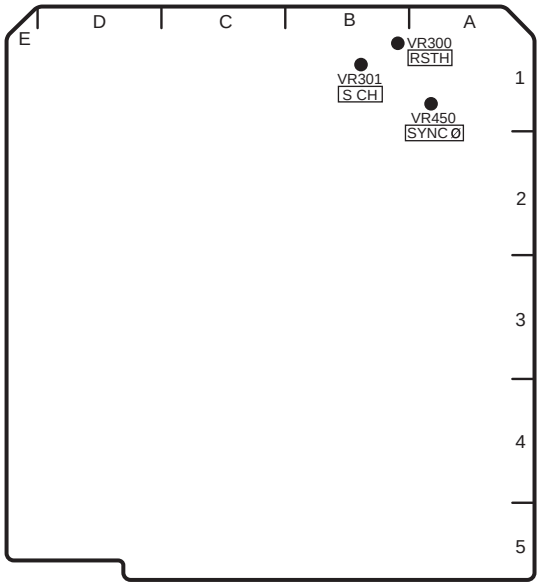


(FOIL SIDE)

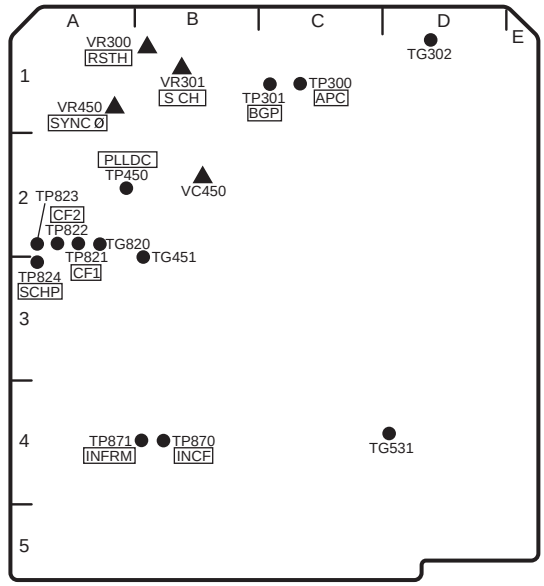


(COMPONENT SIDE)

F2A:V_IN P.C.BOARD (VEP83594B:AJ-YA931G) (VEP83594A:AJ-YA932G) (OPTION)

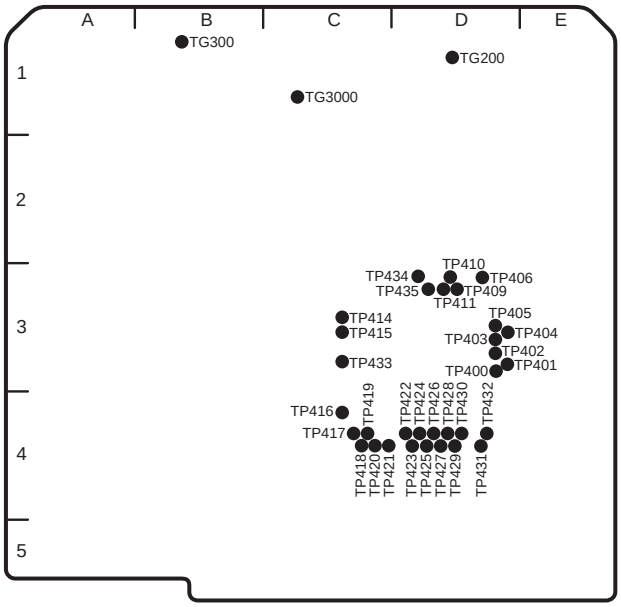


(FOIL SIDE)



(COMPONENT SIDE)

F3B:SDTI P.C.BOARD (VEP83595A)(AJ-YAC930G:OPTION)



(COMPONENT SIDE)

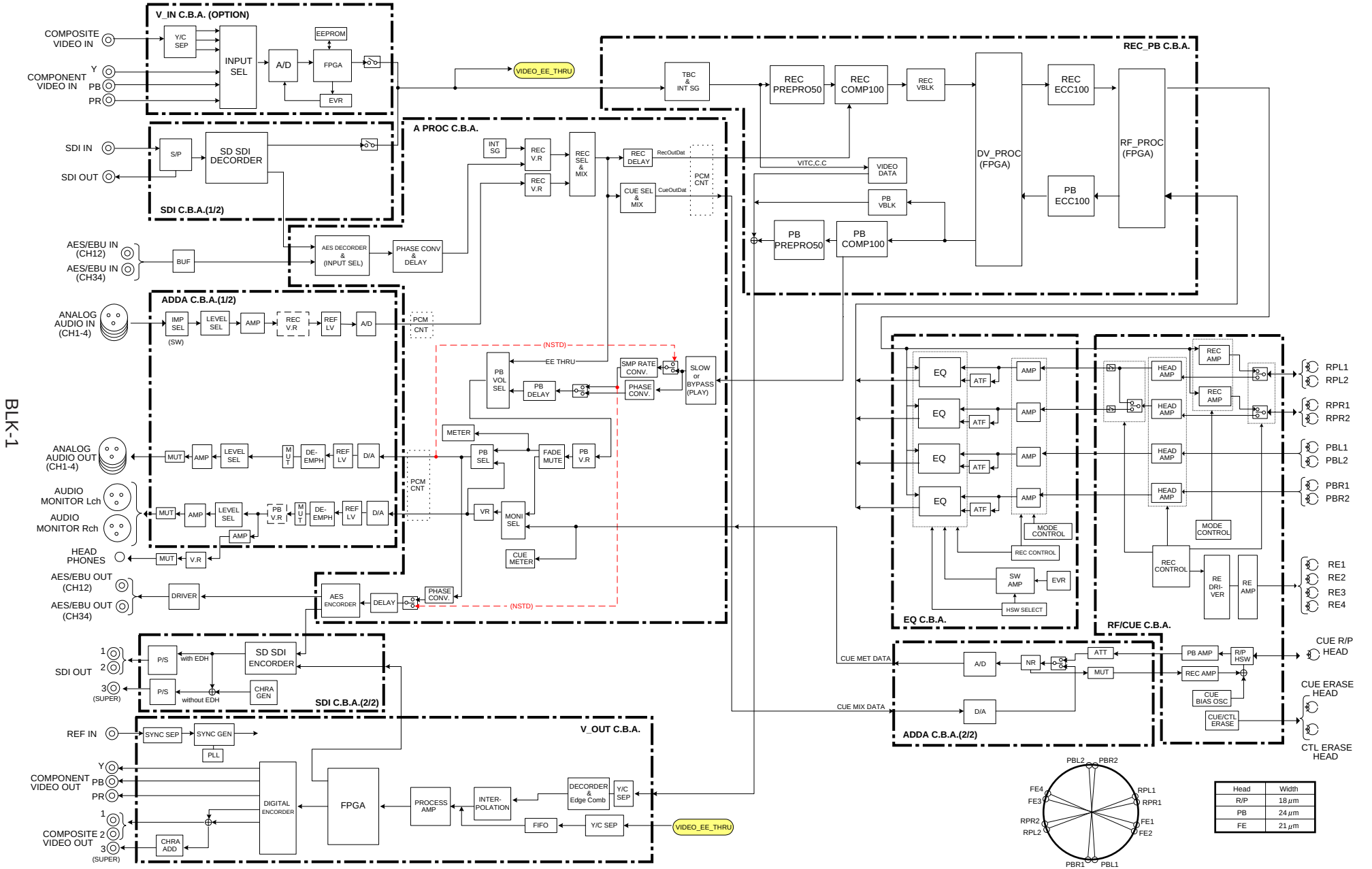
SECTION 5

BLOCK DIAGRAMS

CONTENTS

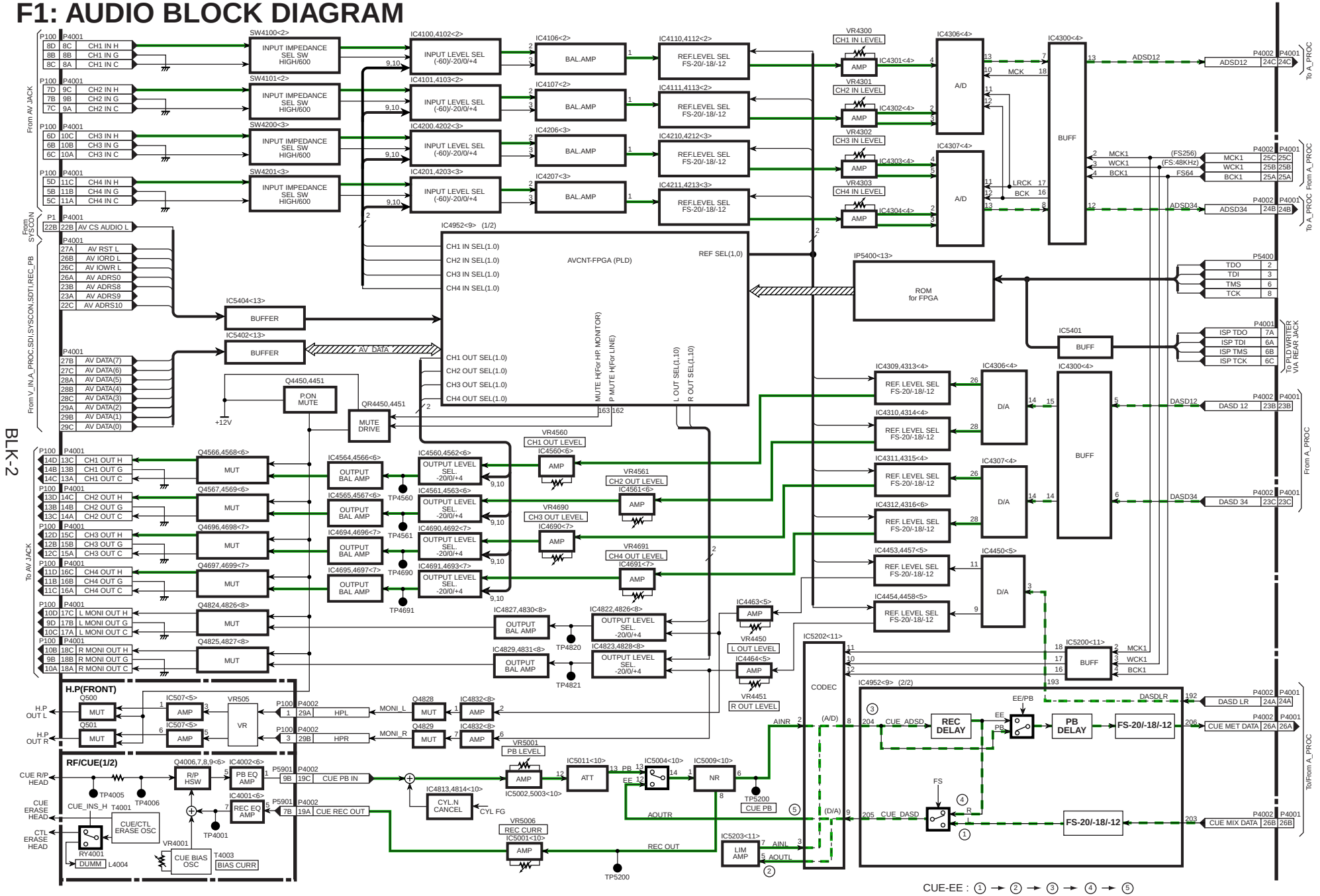
OVERALL BLOCK DIAGRAM.....BLK-1
F1: AUDIO BLOCK DIAGRAM.....BLK-2
F2A: V_IN BLOCK DIAGRAM (AJ-YA931G, AJ-YA932G: OPTION).....BLK-3
F2B: A PROC BLOCK DIAGRAM.....BLK-4
F3A: SDI (1394) BLOCK DIAGRAM.....BLK-5
F4: REC_PB BLOCK DIAGRAM.....BLK-6
F5: V_OUT BLOCK DIAGRAM.....BLK-7
F6: SYSCON BLOCK DIAGRAM.....BLK-8
F7: SERVO BLOCK DIAGRAM.....BLK-9
F8: RF/CUE, RF/EQ BLOCK DIAGRAM.....BLK-10
FRONT BLOCK DIAGRAM.....BLK-11
F3B: SDTI BLOCK DIAGRAM (AJ-YAC930G: OPTION).....BLK-12

OVERALL BLOCK DIAGRAM

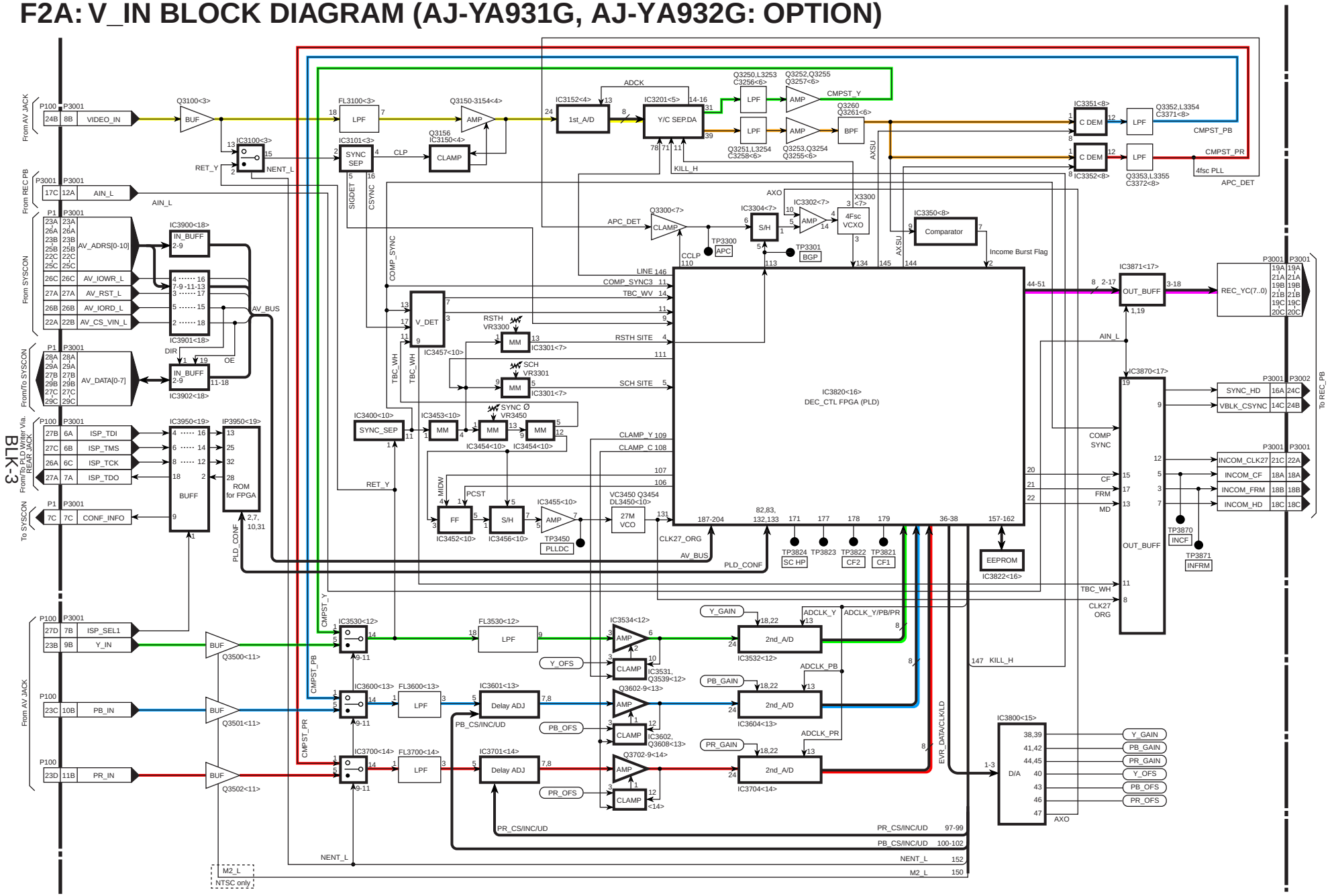


BLK-1

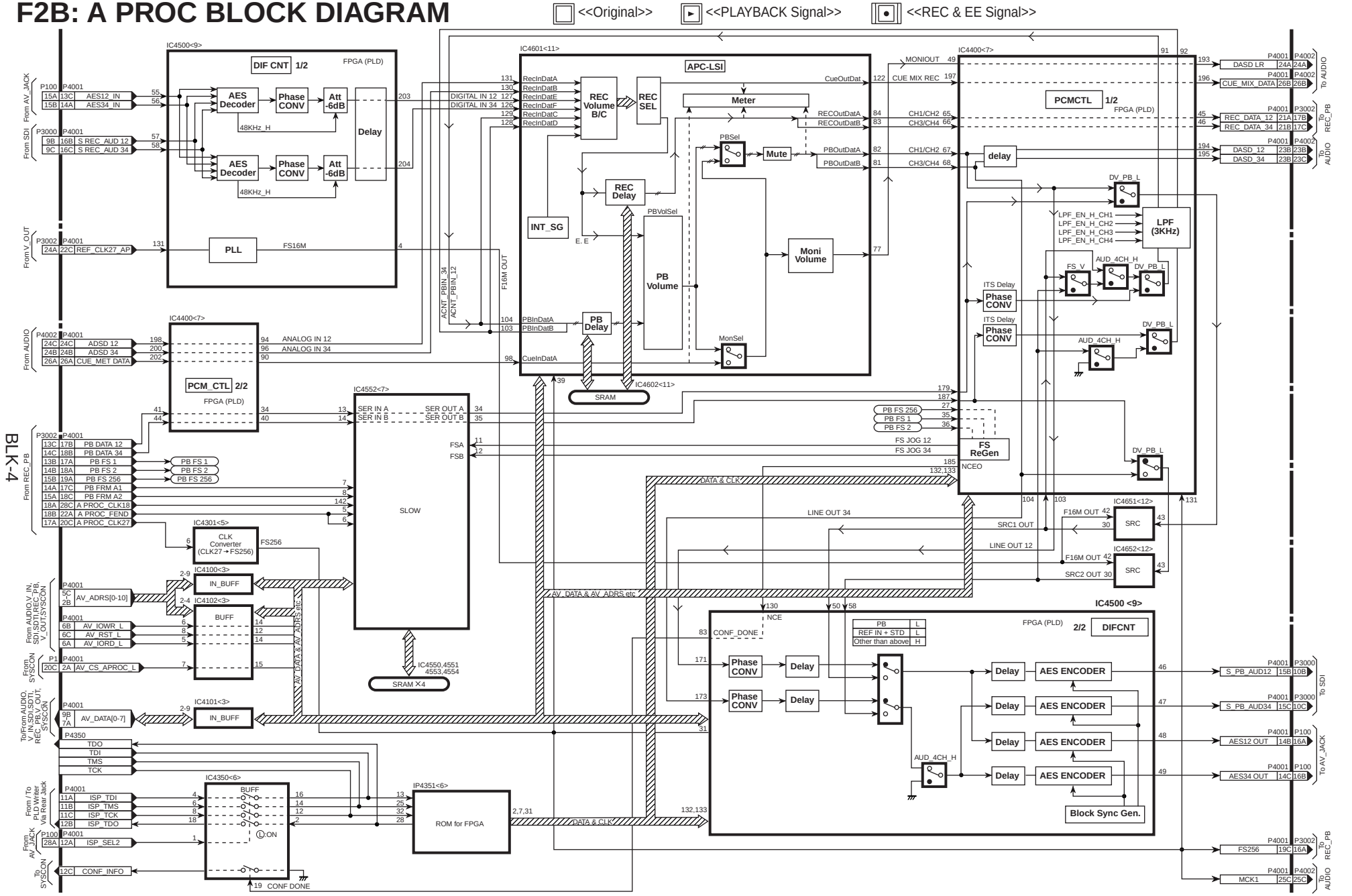
F1: AUDIO BLOCK DIAGRAM



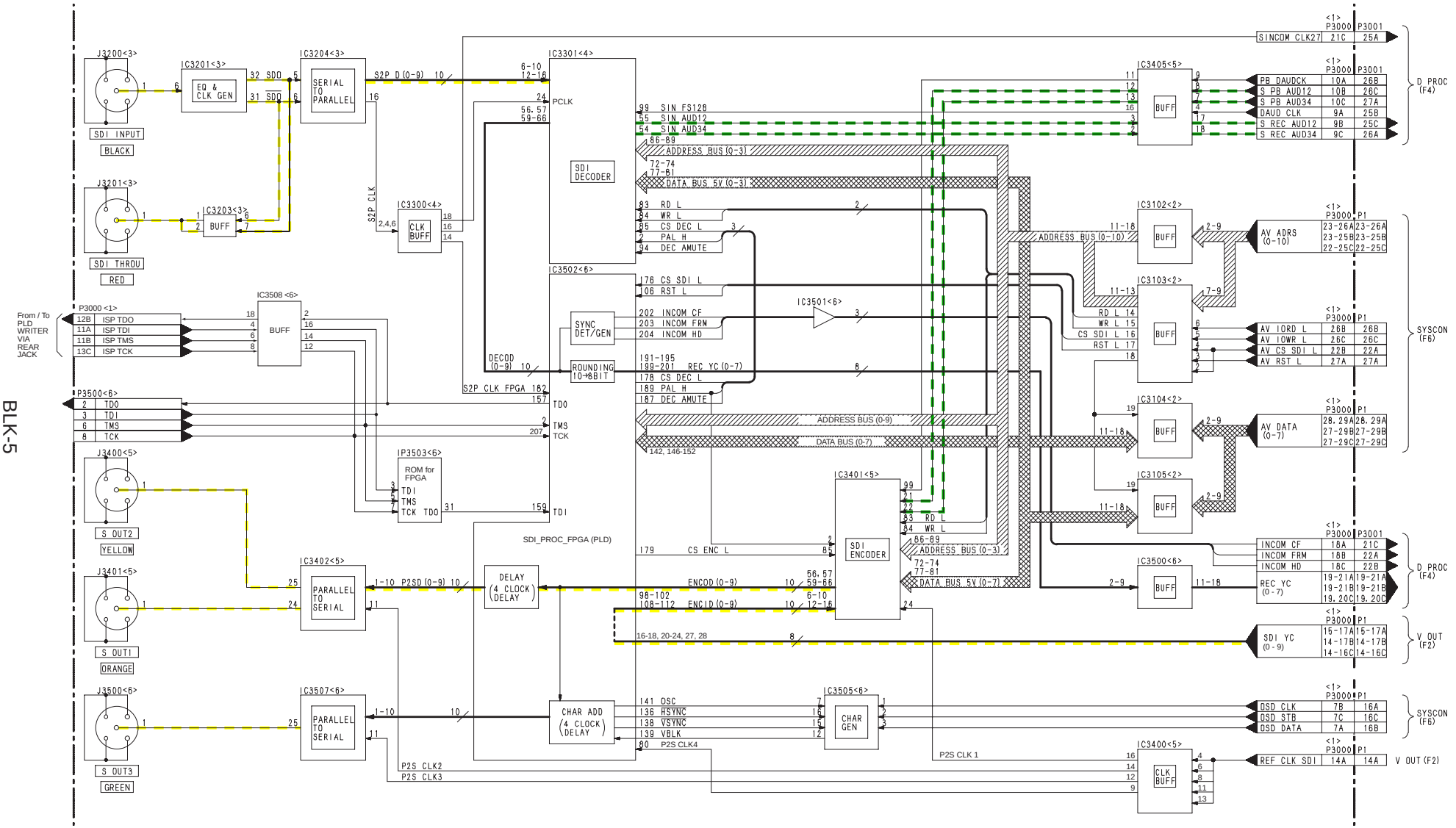
F2A: V_IN BLOCK DIAGRAM (AJ-YA931G, AJ-YA932G: OPTION)



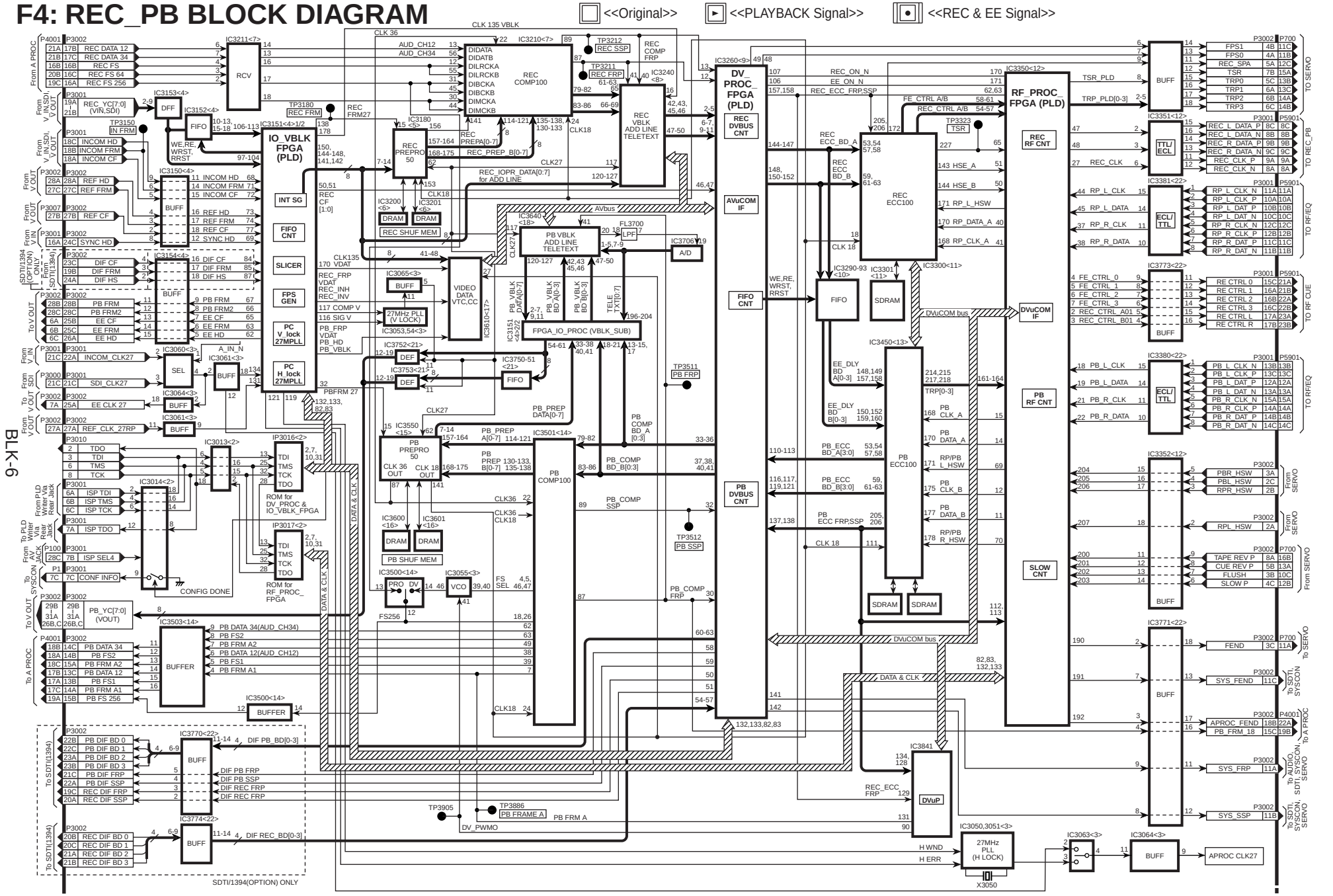
F2B: A PROC BLOCK DIAGRAM



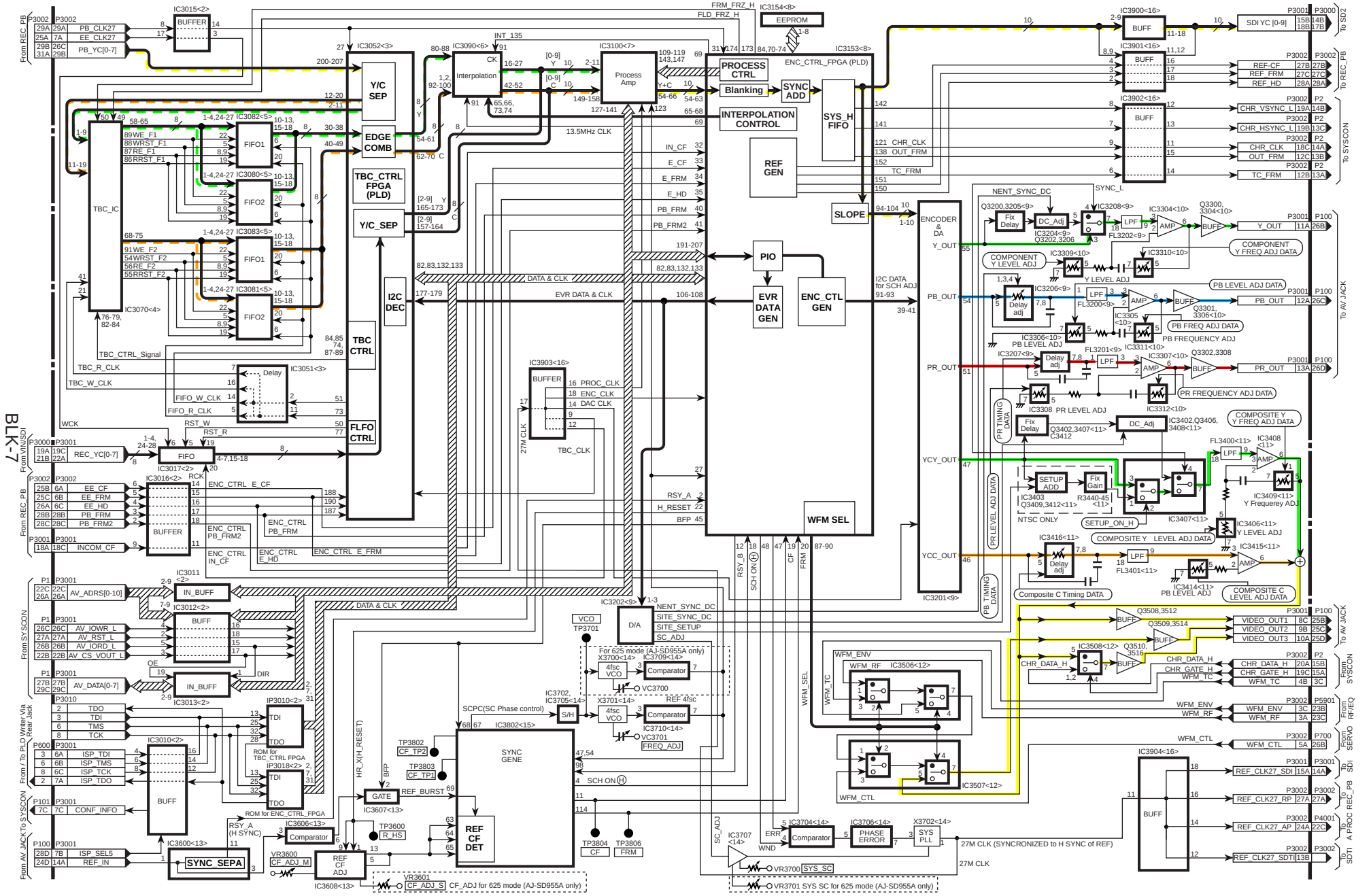
F3A: SDI BLOCK DIAGRAM



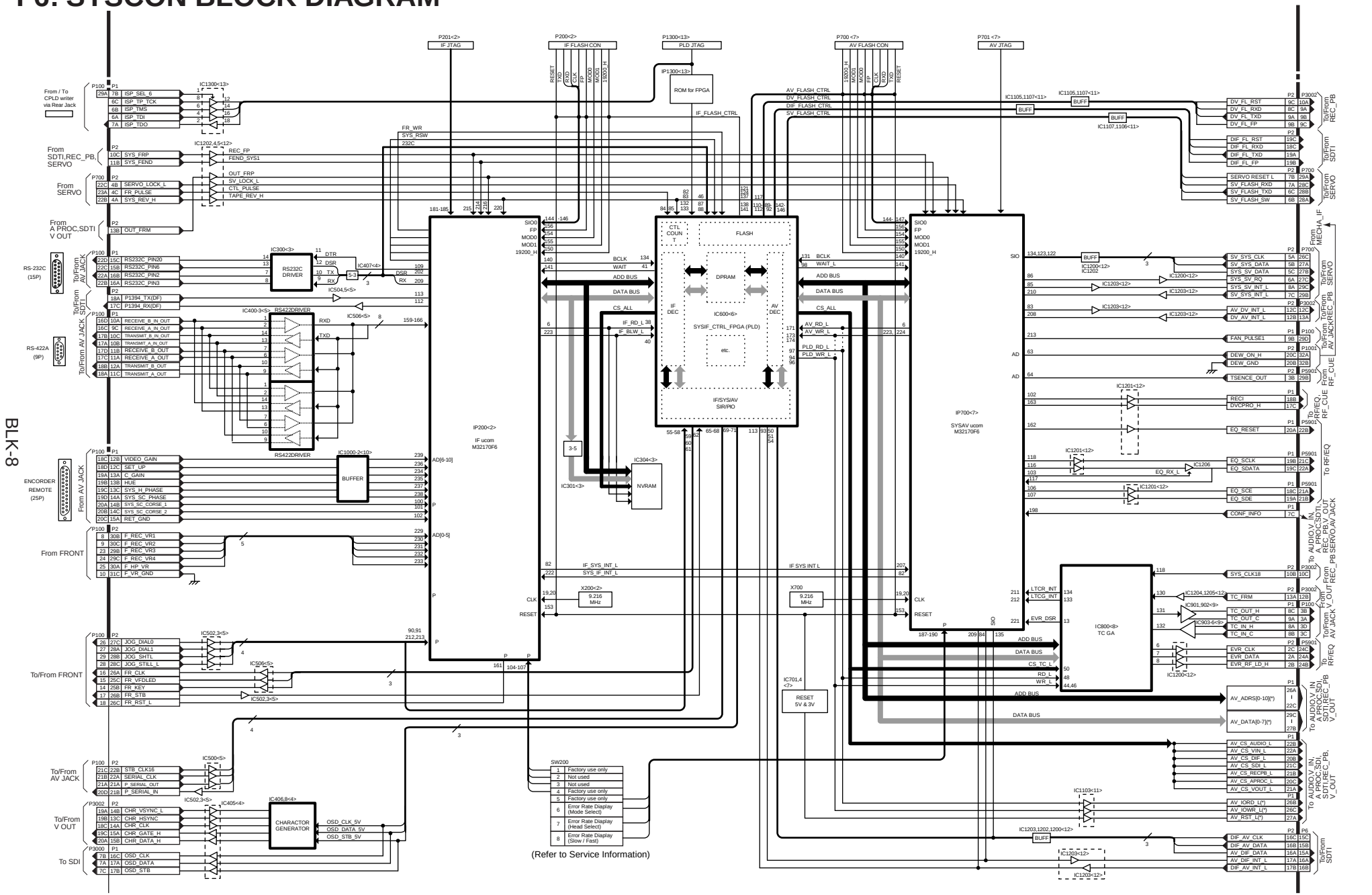
F4: REC_PB BLOCK DIAGRAM



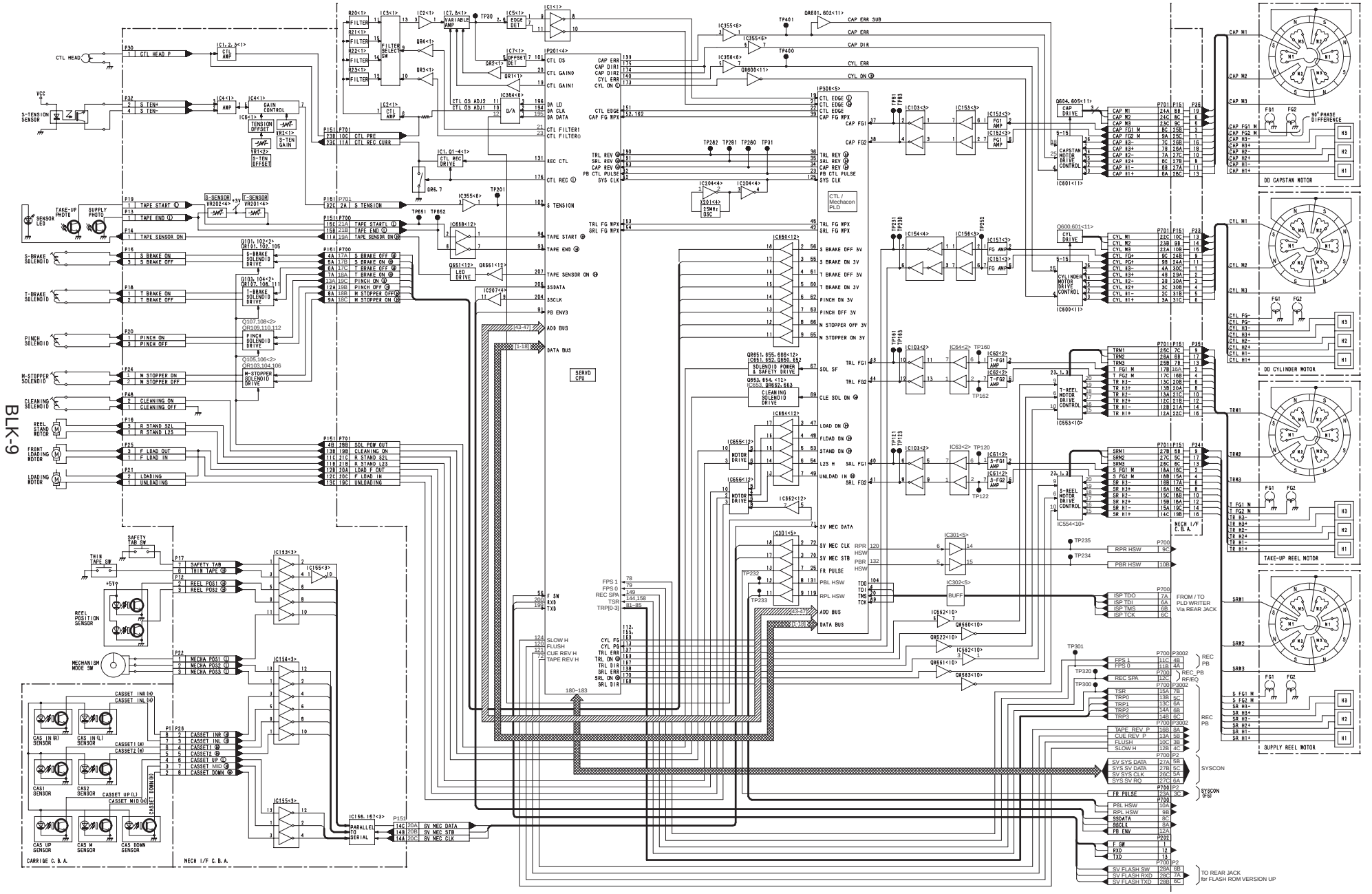
F5: V_OUT BLOCK DIAGRAM



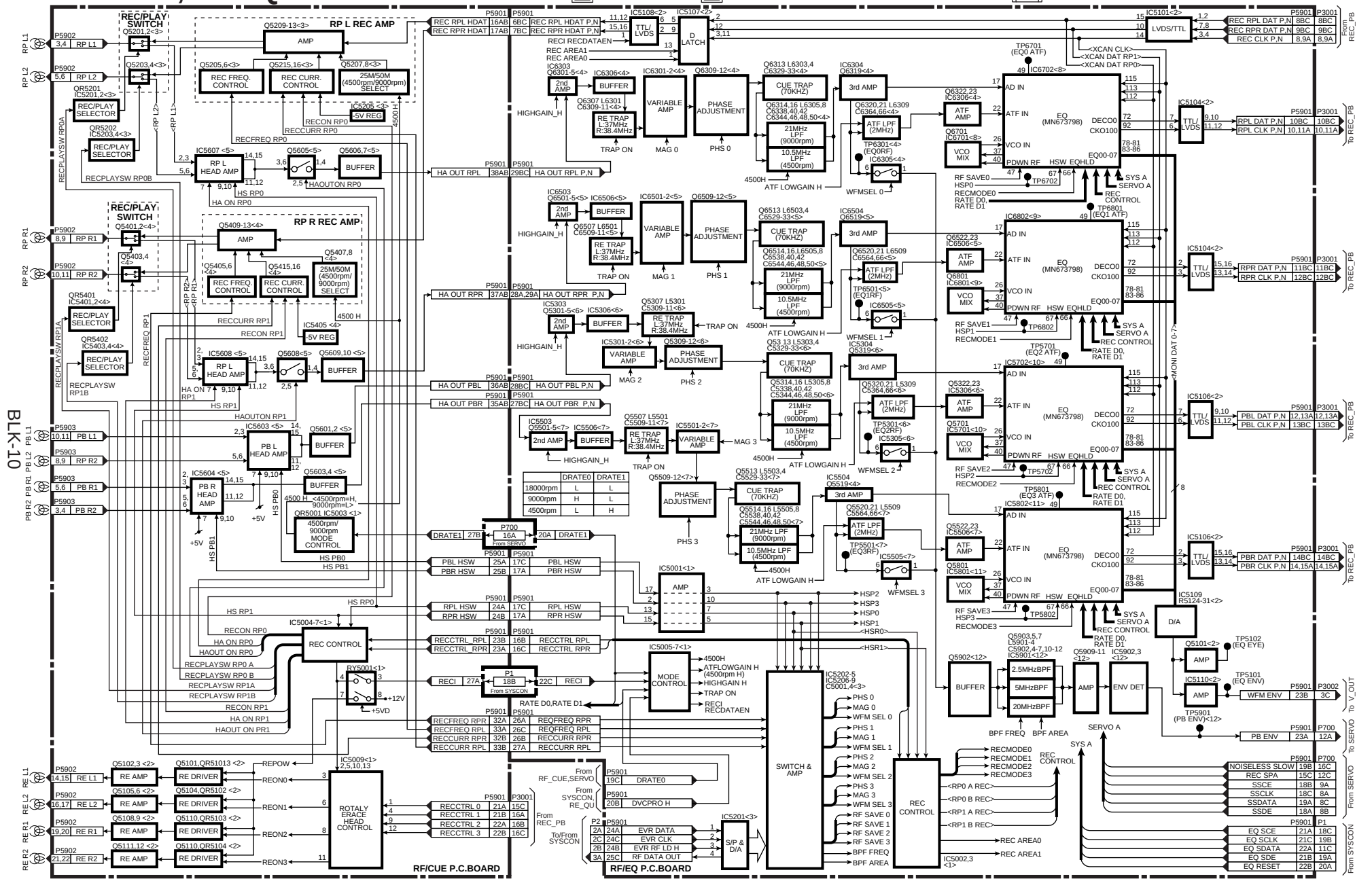
F6: SYSCON BLOCK DIAGRAM



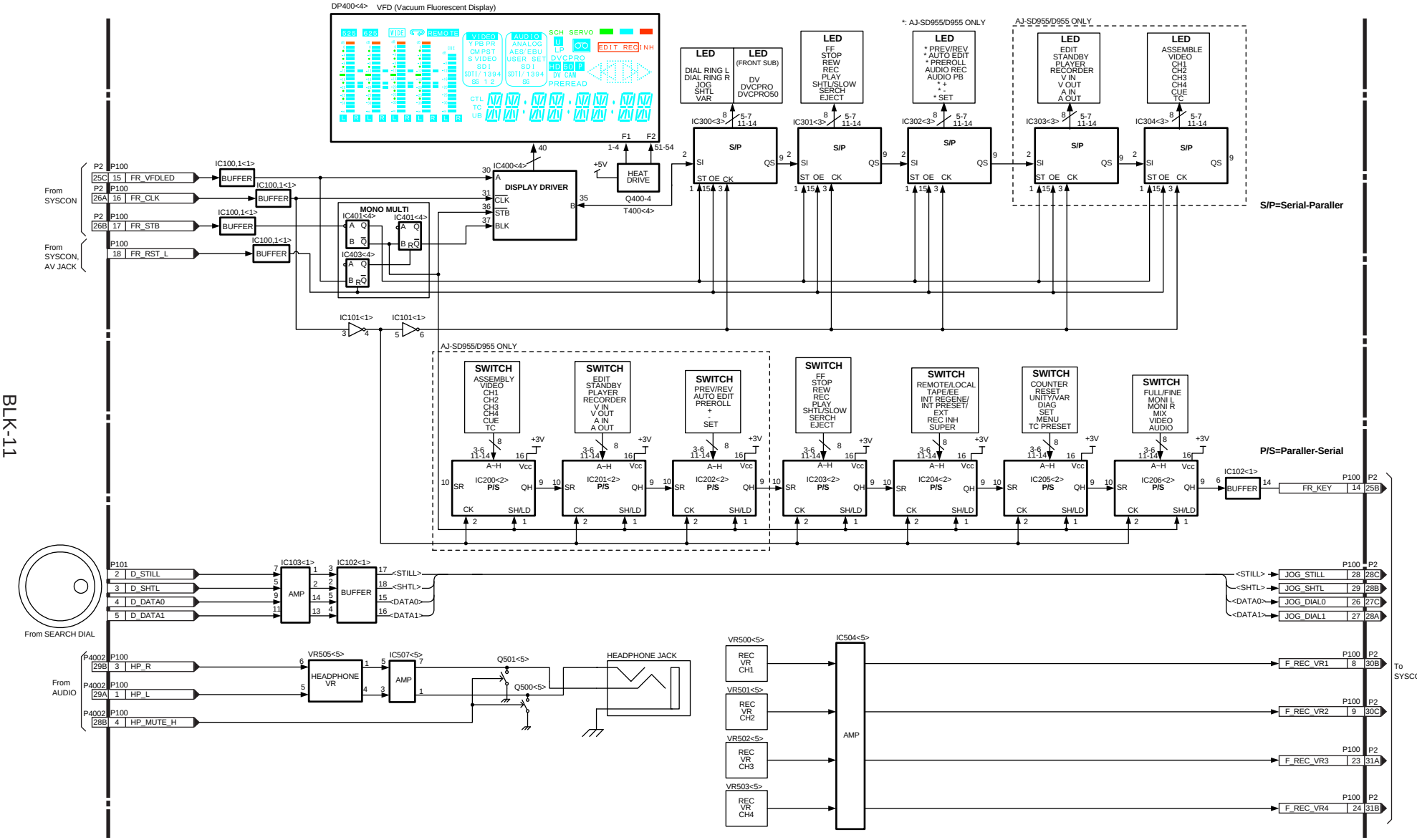
F7: SERVO BLOCK DIAGRAM



F8: RF/CUE, RF/EQ BLOCK DIAGRAM

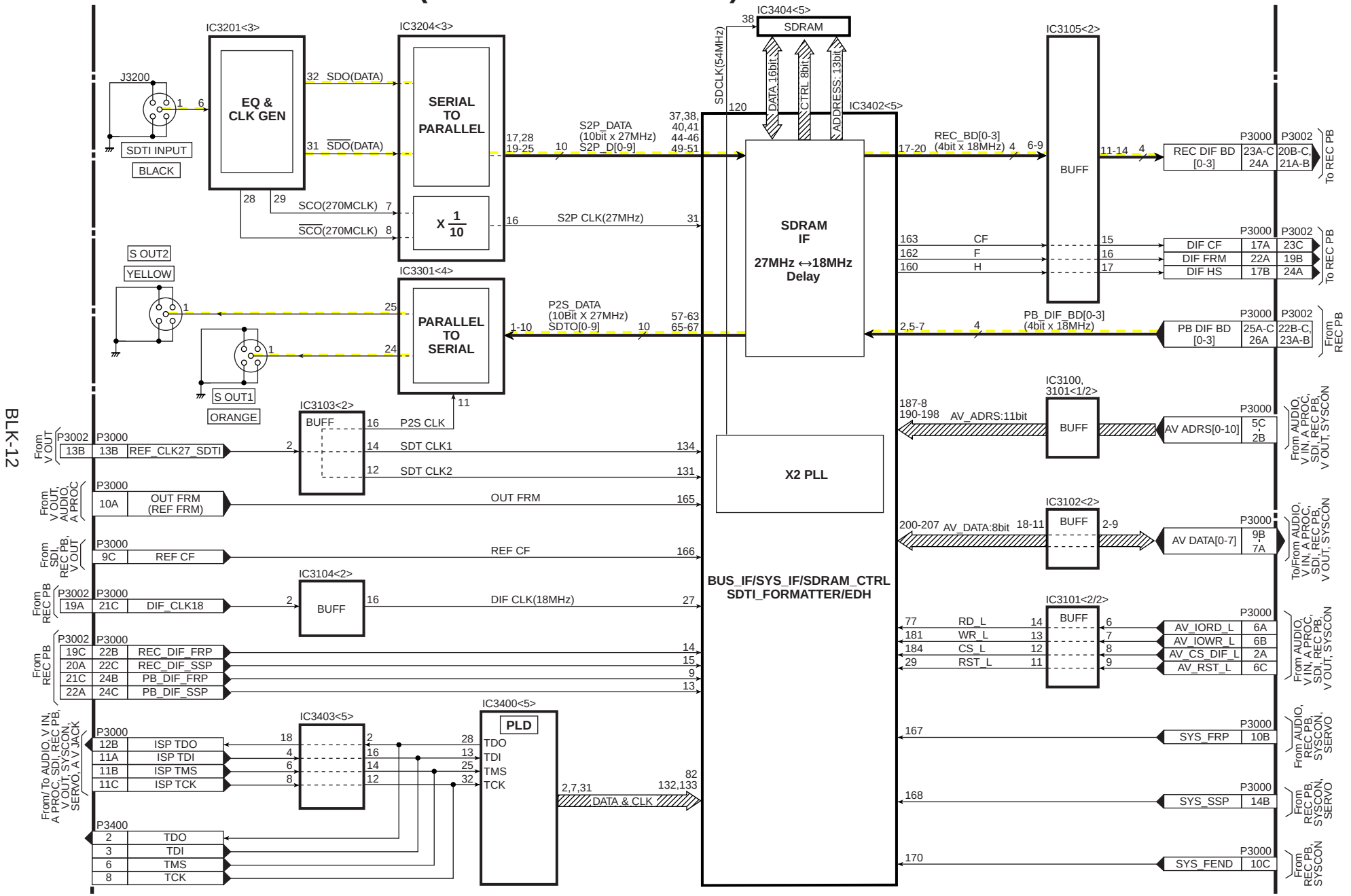


FRONT BLOCK DIAGRAM



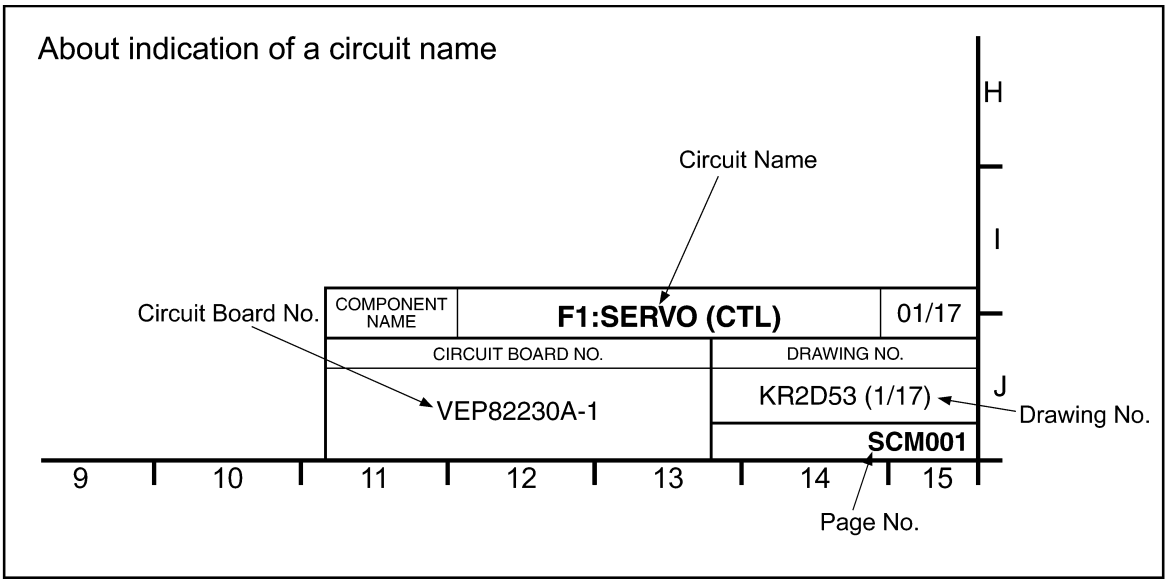
BLK-11

F3B: SDTI BLOCK DIAGRAM (AJ-YAC930G: OPTION)



SECTION 6

SCHEMATIC DIAGRAMS



NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION 8

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

MOTHER
AUDIO (01/10) SCM001
V_IN, APROC (02/10) SCM002
SDI, SDTI (03/10) SCM003
RECPB (04/10) SCM004
VOUT (05/10) SCM005
SYSCON (06/10) SCM006
SERVO (07/10) SCM007
RF/EQ, RFCUE (08/10) SCM008
MECHA_IF, POWER (09/10) SCM009
FRONT, AV JACK (10/10) SCM010

F1: AUDIO
CONNECTOR (01/13) SCM011
INPUT_12 (02/13) SCM012
INPUT_34 (03/13) SCM013
CODEC_12/34 (04/13) SCM014
D/A_LR (05/13) SCM015
OUTPUT_12 (6/13) SCM016
OUTPUT_34 (07/13) SCM017
OUTPUT_LR (08/13) SCM018
PIO (09/13) SCM019
CUE_R/P (10/13) SCM020
CUE_CODEC (11/13) SCM021
CUE_IN/OUTPUT (12/13) SCM022
ISP (13/13) SCM023

F2B: APROC
CONNECTOR (01/12) SCM024
POWER (02/12) SCM025
AVIF (03/12) SCM026
IOBUF (04/12) SCM027
PLL (05/12) SCM028
ISP (06/12) SCM029
PCMCNT (07/12) SCM030
AES_SRC (08/12) SCM031
DIFCNT (09/12) SCM032
SLOW (10/12) SCM033
ACNT (11/12) SCM034
SRC (12/12) SCM035

F3A: SDI
CONNECTOR (01/06) SCM036
SYSIO (02/06) SCM037
S2P (03/06) SCM038
DECODER (04/06) SCM039
P2S_1 (05/06) SCM040
P2S_2 (06/06) SCM041

F4: REC PB
MOTHER (01/25) SCM042
POWER (02/25) SCM043
PLL/VCO (03/25) SCM044
IO, VBLK (04/25) SCM045
REC_PREP (05/25) SCM046
REC_SHUF_MEM (06/25) SCM047
REC_COMP (07/25) SCM048
REC_VBLK (08/25) SCM049
DV_PROC (09/25) SCM050
DVBUS_EE_FIFO (10/25) SCM051
REC_ECC100 (11/25) SCM052
RF_PROC (12/25) SCM053
PB_ECC100 (13/25) SCM054
PB_COMP (14/25) SCM055
PB_PREP (15/25) SCM056
PB_SHUF_MEM (16/25) SCM057
VIDEO_DATA (17/25) SCM058
PB_VBLK (18/25) SCM059
PB_PLL (19/25) SCM060
TEL_TXT (20/25) SCM061
SLOW CTRL (21/25) SCM062
IO_BUFF (22/25) SCM063
MPU_BUS_I/F (23/25) SCM064
DV_uP (24/25) SCM065
DV_ETC (25/25) SCM066

F5: V OUT
CONNECTOR (01/16) SCM067
IN_BUFF (02/16) SCM068
TBC_CTRL (03/16) SCM069
TBC_LSI (04/16) SCM070
TBC_FIFO (05/16) SCM071
INTERPOLATION (06/16) SCM072
PROC_AMP (07/16) SCM073
ENC_CTRL (08/16) SCM074
ENCODER (09/16) SCM075
COMPONENT_BUFF (10/16) SCM076
YC_MIX (11/16) SCM077
COMPOSITE_BUFF (12/16) SCM078
SYNC_SEP (13/16) SCM079
PLL (14/16) SCM080
SYNC_GEN (15/16) SCM081
OUT_BUFF (16/16) SCM082

F6: SYSCON
SYSCON (01/13) SCM083
IF uCOM (02/13) SCM084
NVRAM/232C (03/13) SCM085
9P (04/13) SCM086
BUFFER (05/13) SCM087
SYS_CTRL (06/13) SCM088
SYSAV (07/13) SCM089
TC GA (08/13) SCM090
TC IF (09/13) SCM091
ANALOG IF (10/13) SCM092
I/O BUFF1 (11/13) SCM093
I/O BUFF2 (12/13) SCM094
ISP (13/13) SCM095

F7: SERVO
CTL (01/13) SCM096
REEL_FG (02/13) SCM097
CA_CY_FG (03/13) SCM098
CPU (04/13) SCM099
PLD (05/13) SCM100
CPU_IF (06/13) SCM101
POWER (07/13) SCM102
SW2 (08/13) SCM103
SW1 (09/13) SCM104
RL_DRV (10/13) SCM105
CA_CY_DRV (11/13) SCM106
M_IF (12/13) SCM107
SERVO (13/13) SCM108

F8: RF/EQ
RF/EQ (01/13) SCM109
RF/EQ (02/13) SCM110
RF/EQ (03/13) SCM111
RF/EQ (04/13) SCM112
RF/EQ (05/13) SCM113
RF/EQ (06/13) SCM114
RF/EQ (07/13) SCM115
RF/EQ (08/13) SCM116
RF/EQ (09/13) SCM117
RF/EQ (10/13) SCM118
RF/EQ (11/13) SCM119
RF/EQ (12/13) SCM120
RF/EQ (13/13) SCM121

RF/CUE

RF/CUE (01/07) SCM122
RF/CUE (02/07) SCM123
RF/CUE (03/07) SCM124
RF/CUE (04/07) SCM125
RF/CUE (05/07) SCM126
RF/CUE (06/07) SCM127
RF/CUE (07/07) SCM128

FRONT (SD930)

CONNECTOR, DIAL (01/05) SCM129
KEY (02/05) SCM130
LED (03/05) SCM131
VFD (04/05) SCM132
VR, HEADPHONE (05/05) SCM133

FRONT (SD955A)

CONNECTOR, DIAL (01/05) SCM134
KEY (02/05) SCM135
LED (03/05) SCM136
VFD (04/05) SCM137
VR, HEADPHONE (05/05) SCM138

FRONT SUB

FRONT SUB (01/01) SCM139

AV JACK

AV JACK (01/06) SCM140
AV JACK (02/06) SCM141
AUDIO ANALOG I/O (03/06) SCM142
AES_IN/OUT (04/06) SCM143
AV JACK (05/06) SCM144
FPGA CONFIG PORT (06/06) SCM145

POWER 1

POWER 1 (01/02) SCM146
POWER 1 (02/02) SCM147

POWER 2

POWER 2 (01/01) SCM148

MECHA_IF

MECHA_IF (01/04) SCM149
MECHA_IF (02/04) SCM150
MECHA_IF (03/04) SCM151
MECHA_IF (04/04) SCM152

MECHA_IF2

MECHA_IF2 (01/01) SCM153

EJECT

EJECT (01/01) SCM154

F2A: V_IN (AJ-YA931G:OPTION)

CONNECTOR (01/19) SCM155
POWER (02/19) SCM156
COMP_IN (03/19) SCM157
1st_AD (04/19) SCM158
SDEC (05/19) SCM159
DECBUF (06/19) SCM160
4fsc_PLL (07/19) SCM161
CDEM (08/19) SCM162
SYNC_SEP (09/19) SCM163
135M_PLL (10/19) SCM164
M2B_SEL (11/19) SCM165
2nd_AD_Y (12/19) SCM166
2nd_AD_PB (13/19) SCM167
2nd_AD_PR (14/19) SCM168
EVR (15/19) SCM169
DIG_GEN (16/19) SCM170
OUTBUFF (17/19) SCM171
COM_BUFF (18/19) SCM172
ISP (19/19) SCM173

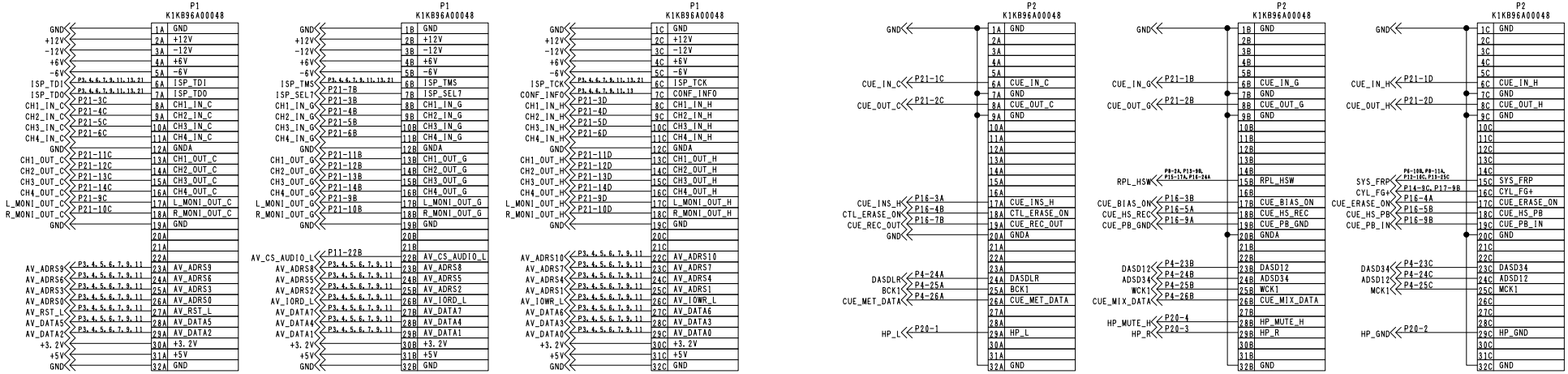
F2A: V_IN (AJ-YA932G:OPTION)

CONNECTOR (01/19) SCM174
POWER (02/19) SCM175
COMP_IN (03/19) SCM176
1st_AD (04/19) SCM177
SDEC (05/19) SCM178
DECBUF (06/19) SCM179
4fsc_PLL (07/19) SCM180
CDEM (08/19) SCM181
SYNC_SEP (09/19) SCM182
135M_PLL (10/19) SCM183
M2B_SEL (11/19) SCM184
2nd_AD_Y (12/19) SCM185
2nd_AD_PB (13/19) SCM186
2nd_AD_PR (14/19) SCM187
EVR (15/19) SCM188
DIG_GEN (16/19) SCM189
OUTBUFF (17/19) SCM190
COM_BUFF (18/19) SCM191
ISP (19/19) SCM192

F3B: SDTI (AJ-YAC930G:OPTION)

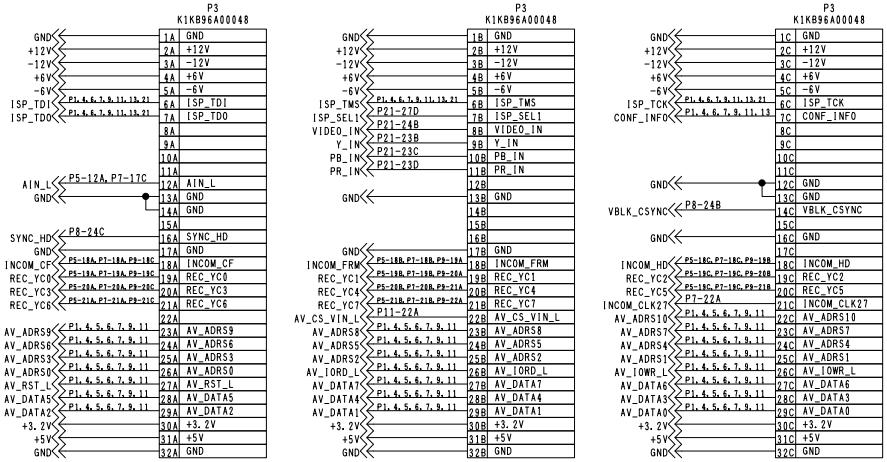
CONNECTOR (01/05) SCM193
IO_BUFF (02/05) SCM194
S2P (03/05) SCM195
P2S (04/05) SCM196
FPGA (05/05) SCM197

F1 (AUDIO)

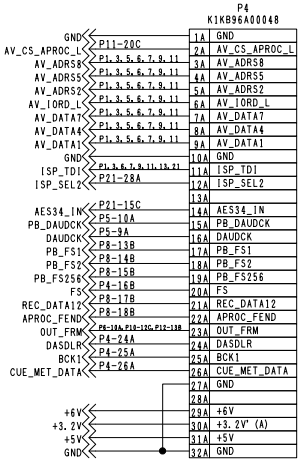


COMPONENT NAME	**MOTHER(AUDIO)**	01/10
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C41A	KR0R98 (1/10) (0)	
	SCM001	

F2A (V_IN)



F2B (APROC)

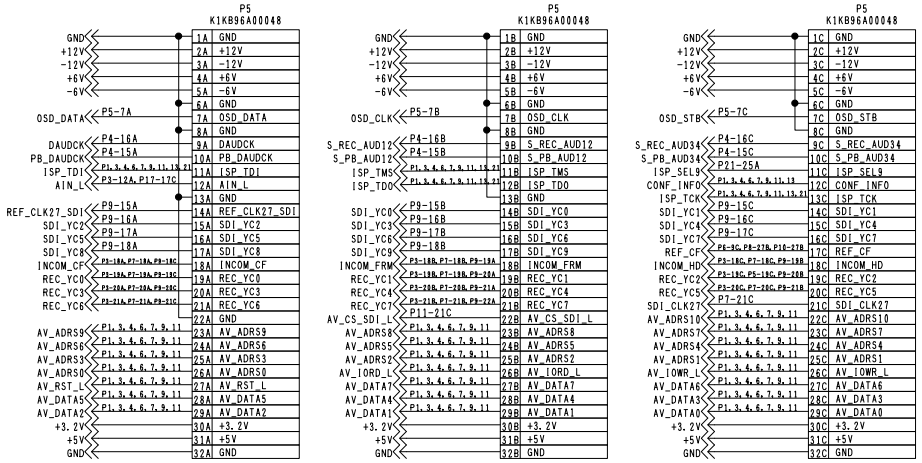


COMPONENT NAME	MOTHER(V_IN, APROC)	02/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (2/10) (0)
		SCM002

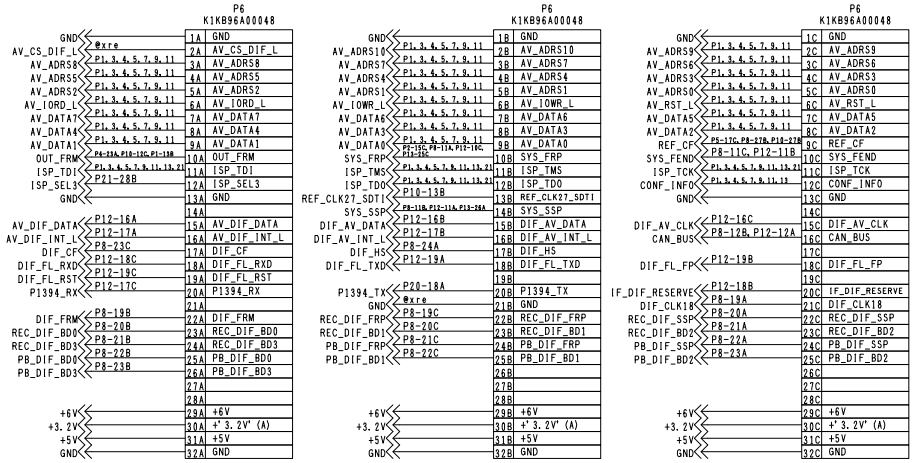
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

F3A (SDI)

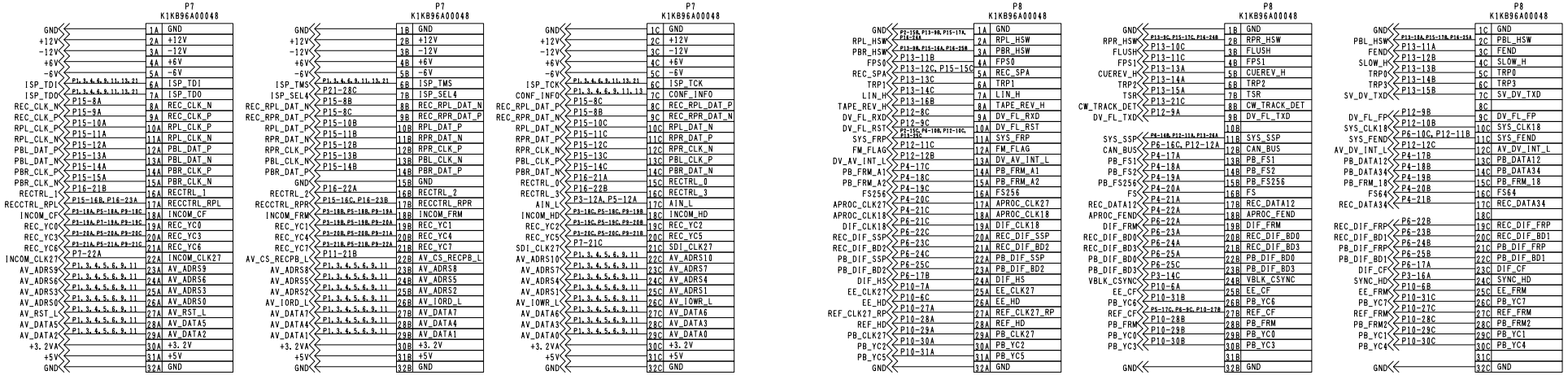


F3B (SDTI)



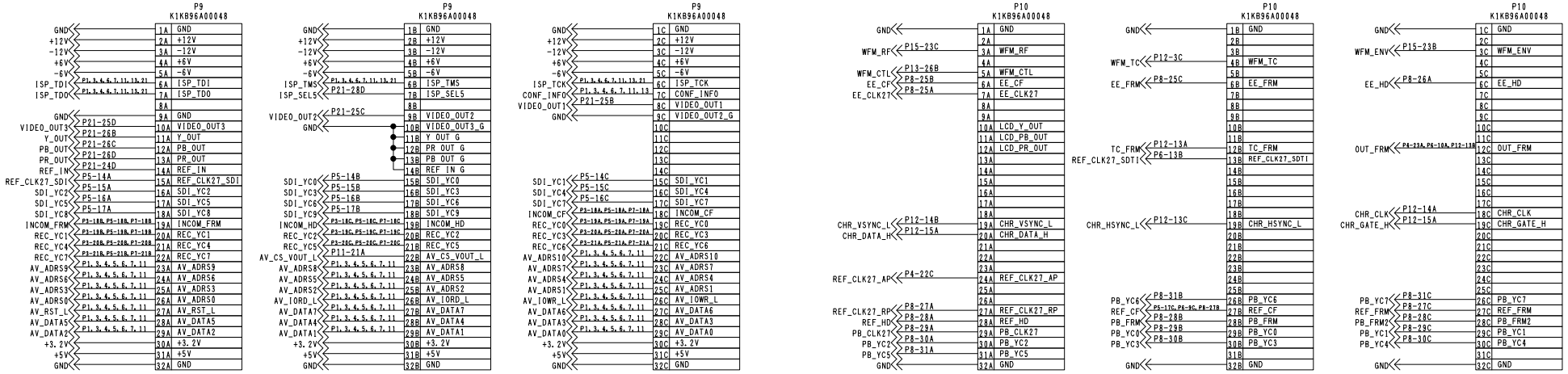
COMPONENT NAME	**MOTHER(SDI, SDTI)**	03/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (3/10) (0)
		SCM003

F4 (RECPB)



COMPONENT NAME	MOTHER(RECPB)	04/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (4/10) (0)
		SCM004

F5 (VOUT)

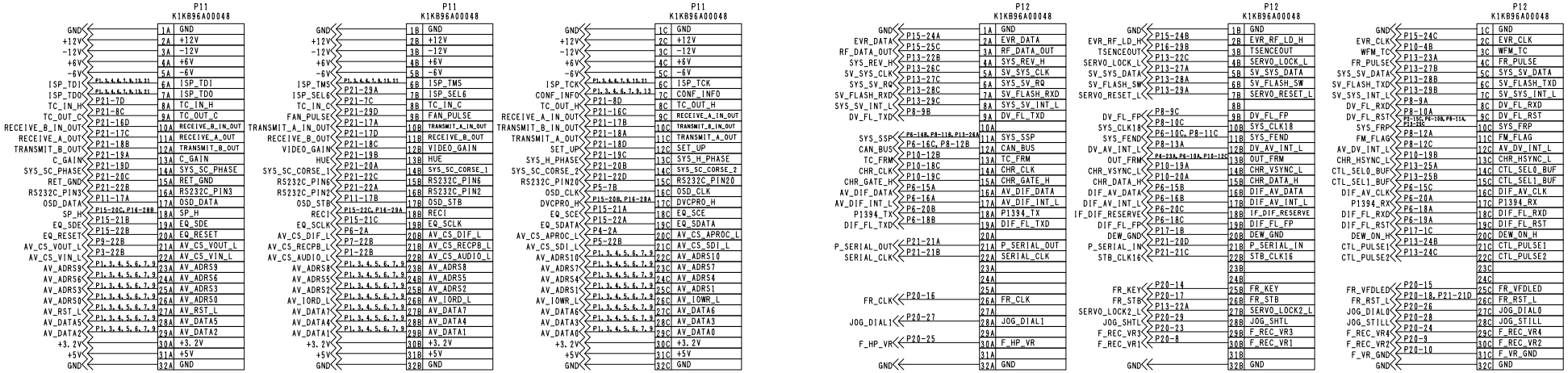


COMPONENT NAME	MOTHER(VOUT)	05/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (5/10) (0)
		SCM005

A B C D E F G H I J

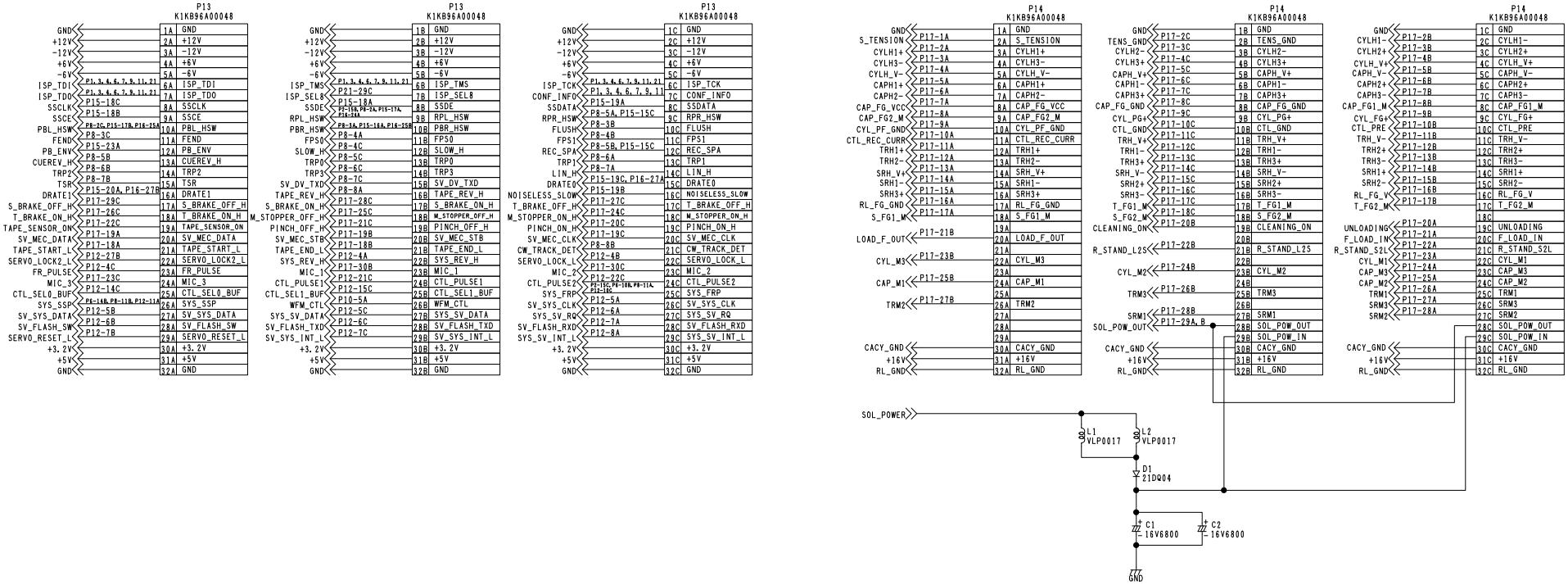
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

F6 (SYSCON)



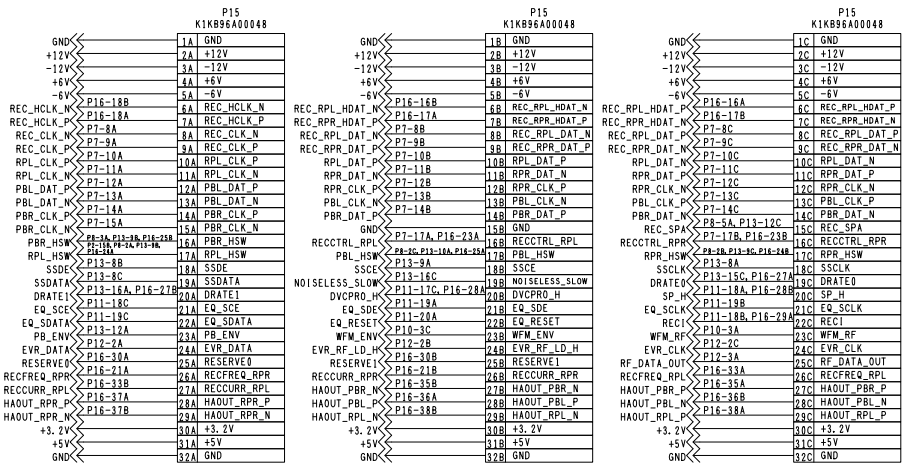
COMPONENT NAME	MOTHER(SYSCON)	06/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (6/10) (0)
		SCM006

F7 (SERVO)

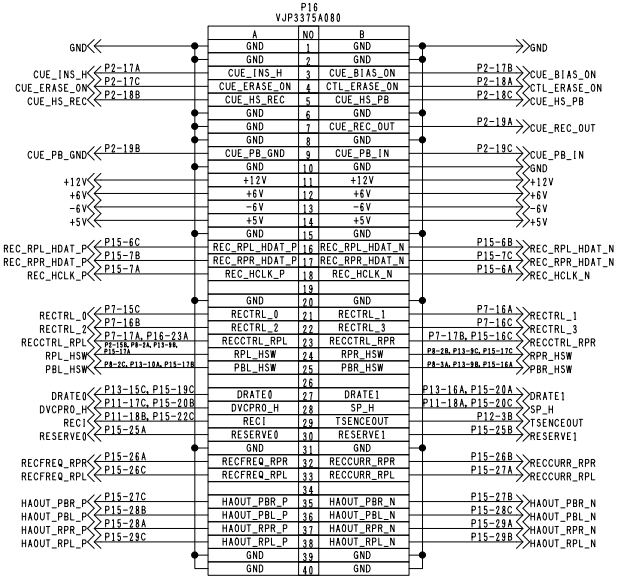


COMPONENT NAME	MOTHER(SERVO)	07/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (7/10) (0)
		SCM007

F8 (RF/EQ)

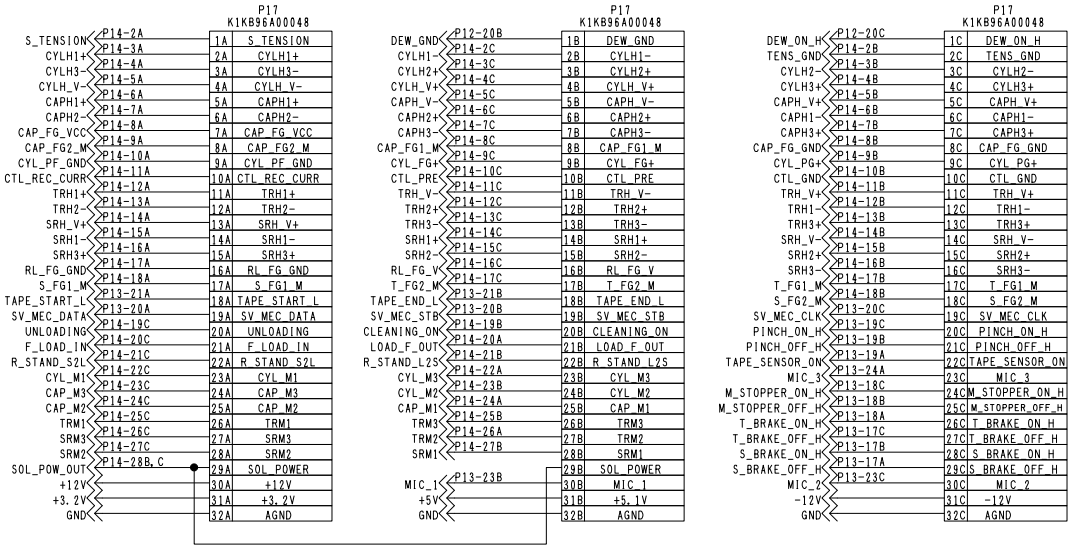


HEAD_BUFF (RFCUE)

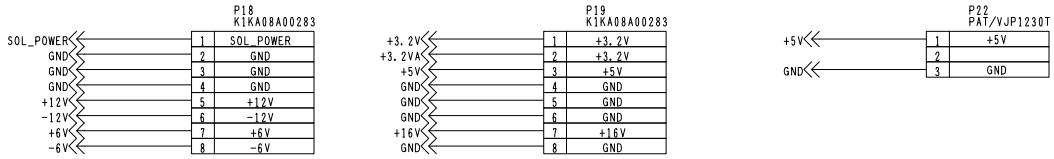


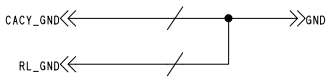
COMPONENT NAME	**MOTHER(RF/EQ, RFCUE)**	08/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (8/10) (0)
		SCM008

MECHA_IF



POWER





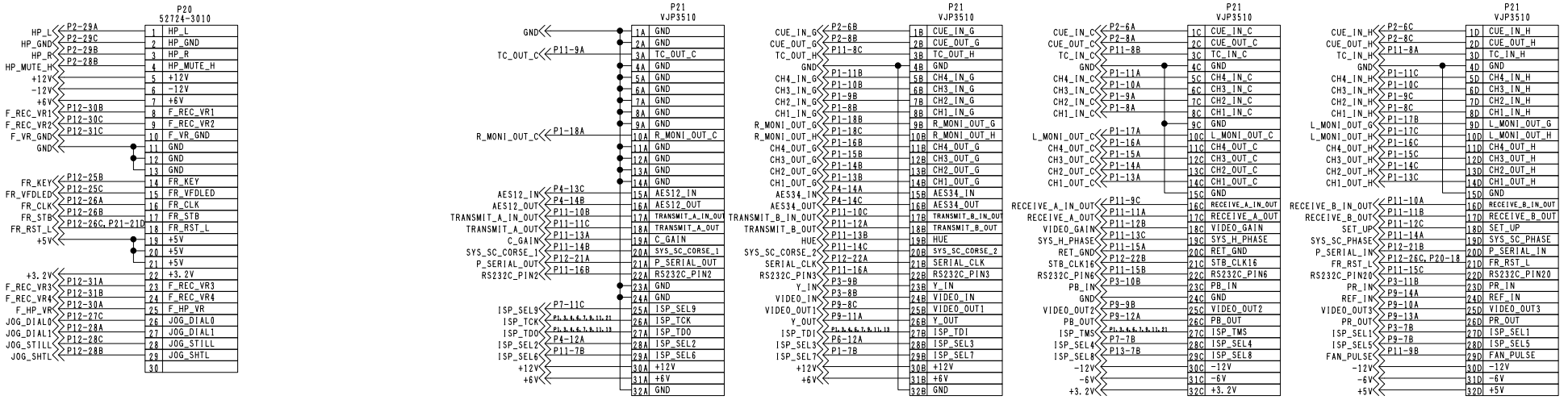
COMPONENT NAME	**MOTHER(MECHA_IF, POWER)**	09/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (9/10) (0)
		SCM009

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

FRONT

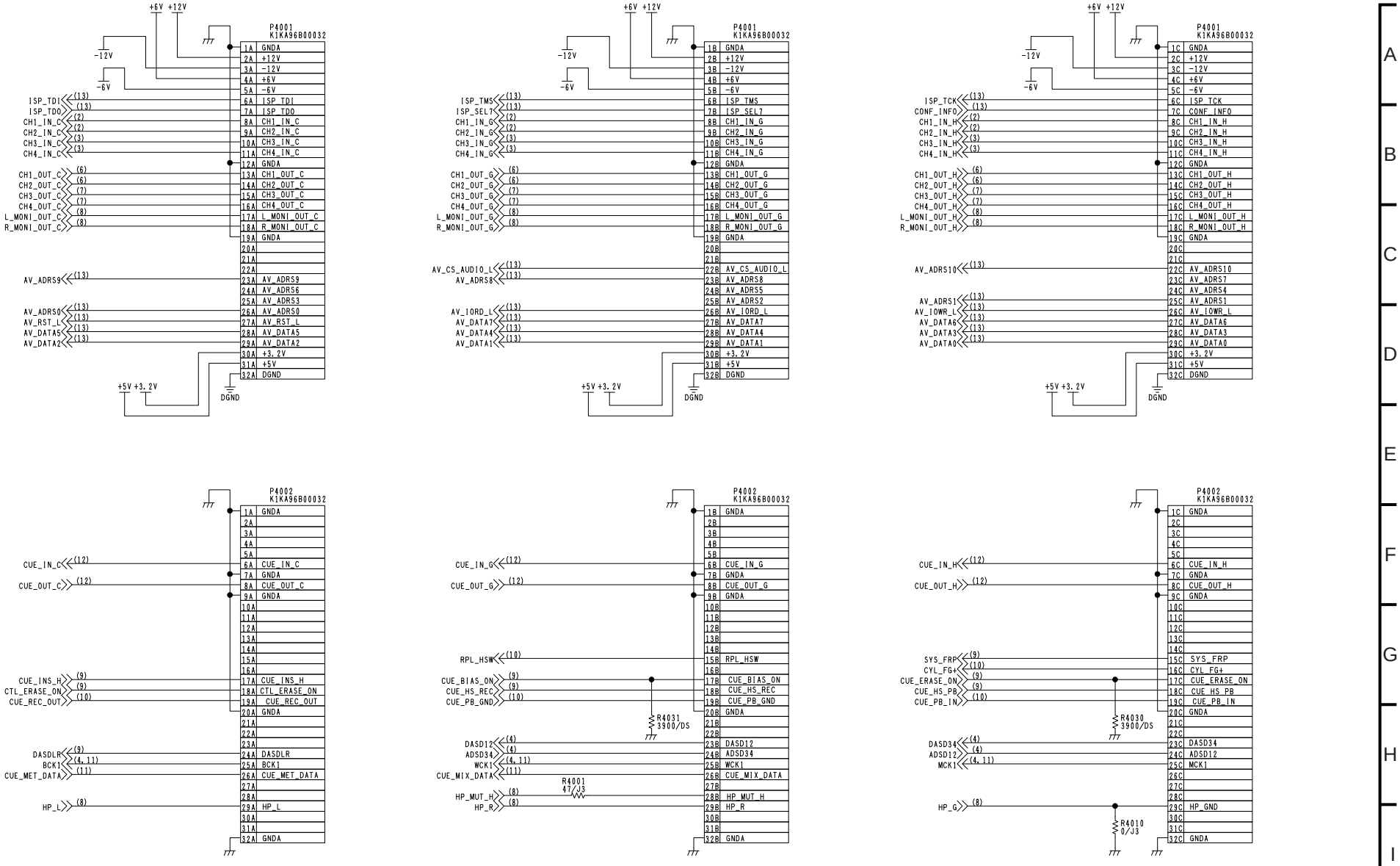
AVJACK



COMPONENT NAME	MOTHER(FRONT, AV JACK)	10/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (10/10) (0)
		SCM010

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

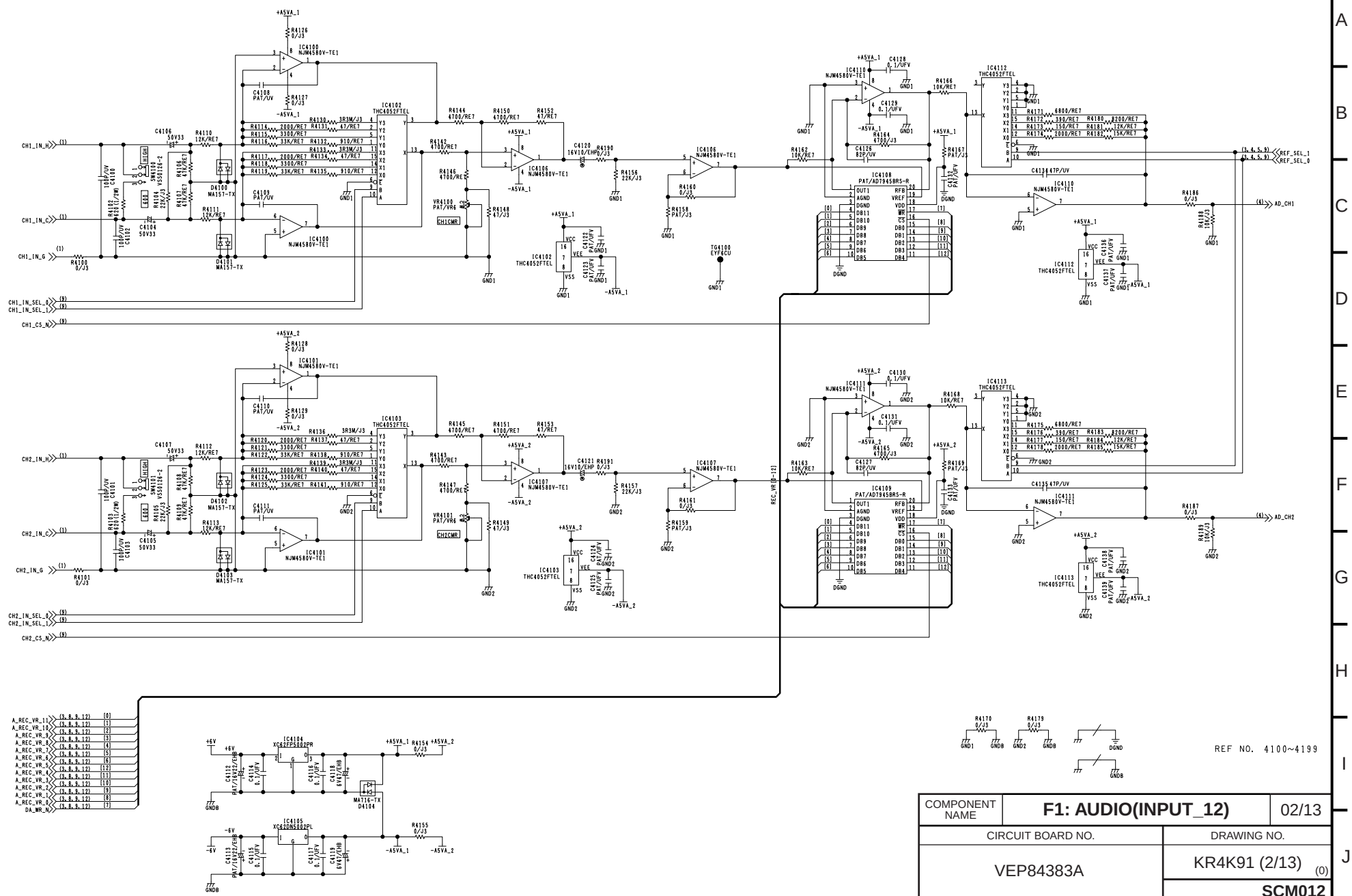


REF NO. 4000~4099

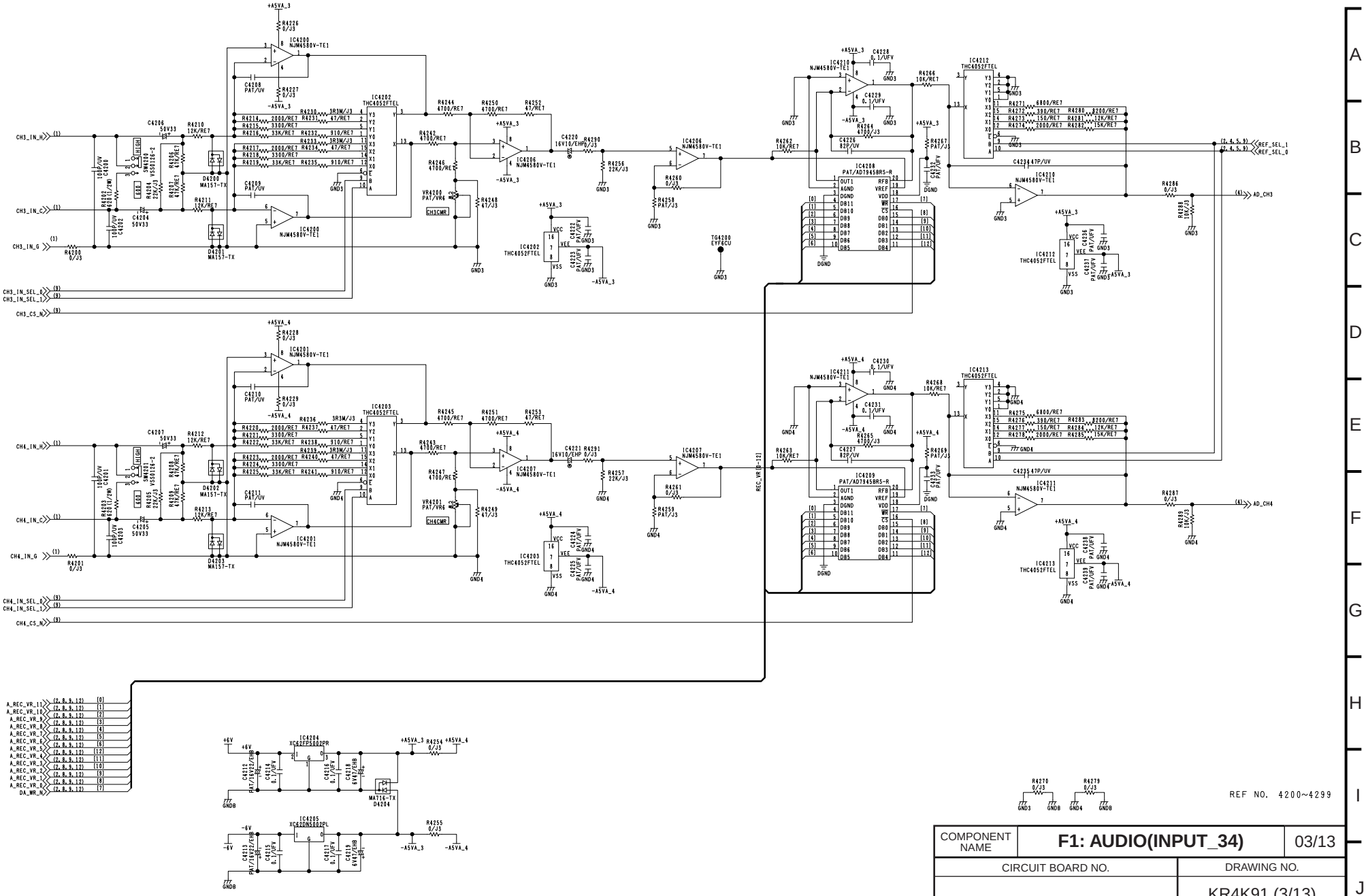
COMPONENT NAME	F1: AUDIO(CONNECTOR)	01/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84383A	KR4K91 (1/13) (0)	
	SCM011	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

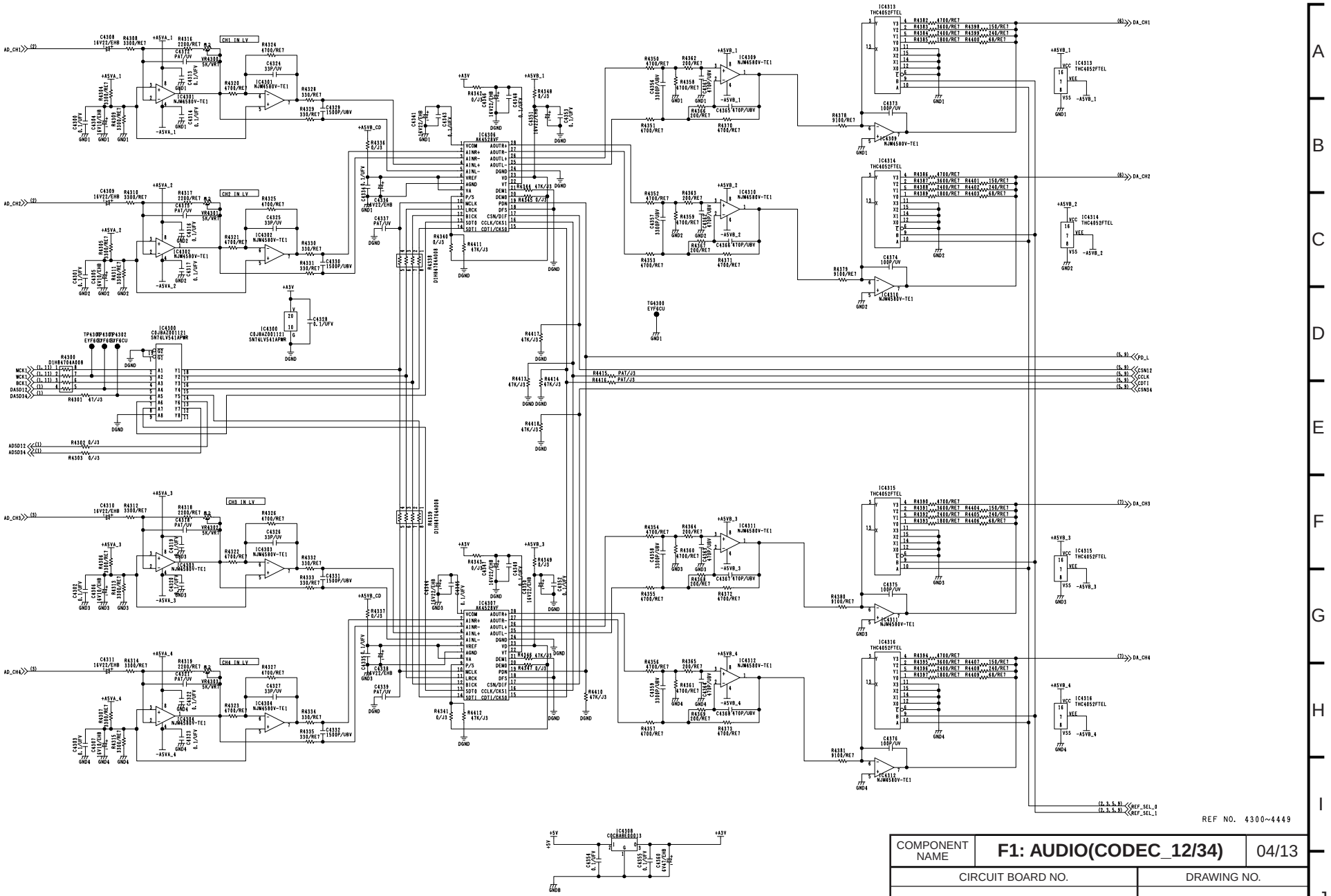


COMPONENT NAME	F1: AUDIO(INPUT_12)	02/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383A		KR4K91 (2/13) (0)
		SCM012

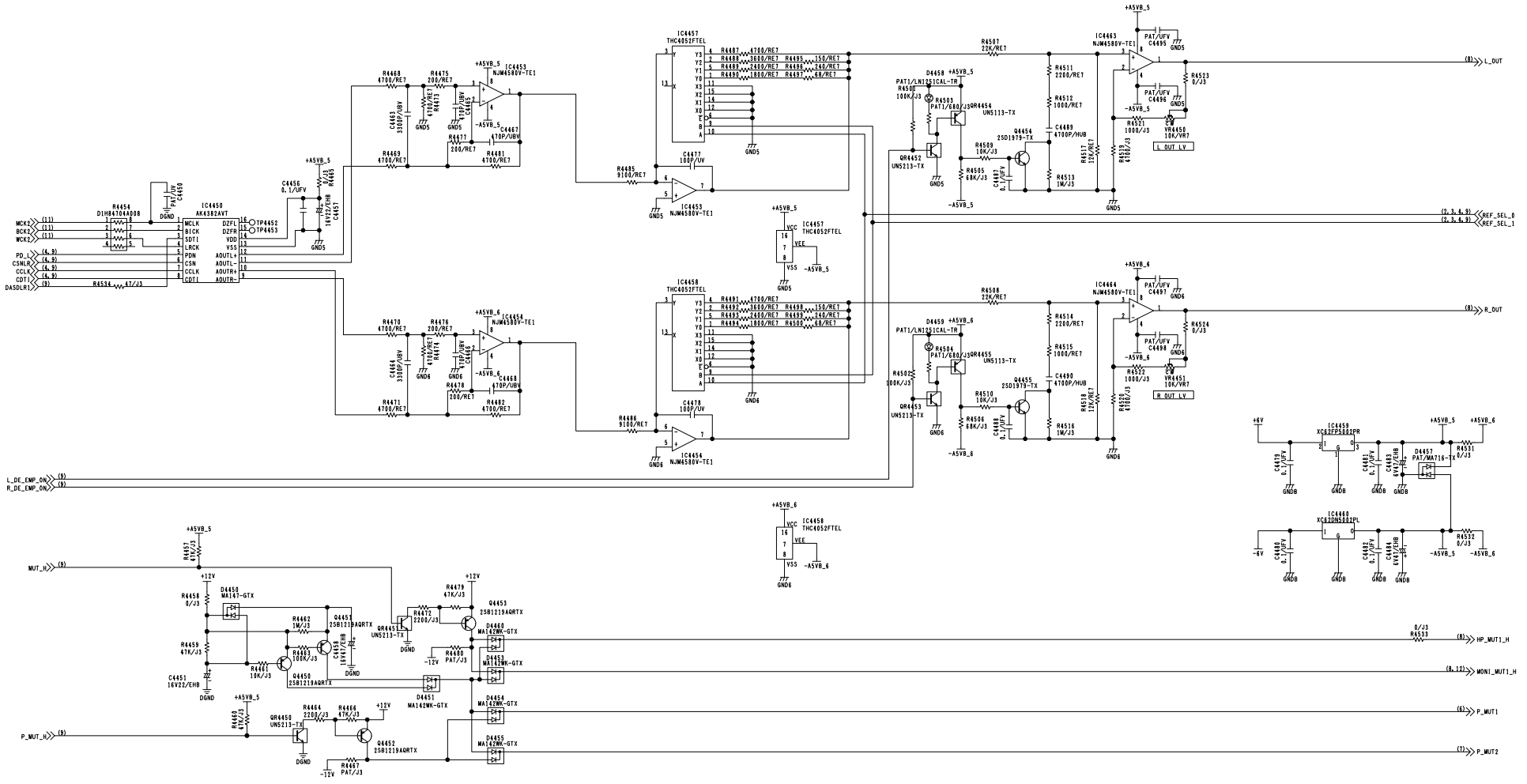


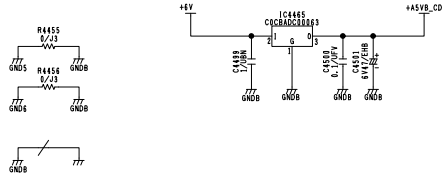
REF NO. 4200~4299

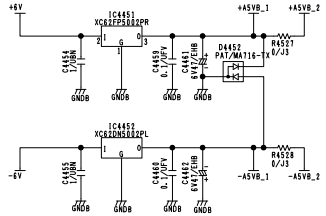
COMPONENT NAME	F1: AUDIO(INPUT_34)	03/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383A		KR4K91 (3/13) (0)
		SCM013

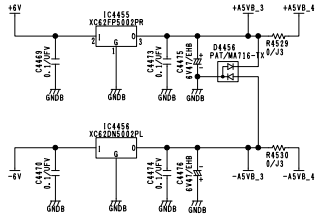


COMPONENT NAME	F1: AUDIO(CODEC_12/34)	04/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383A		KR4K91 (4/13) (0)
		SCM014



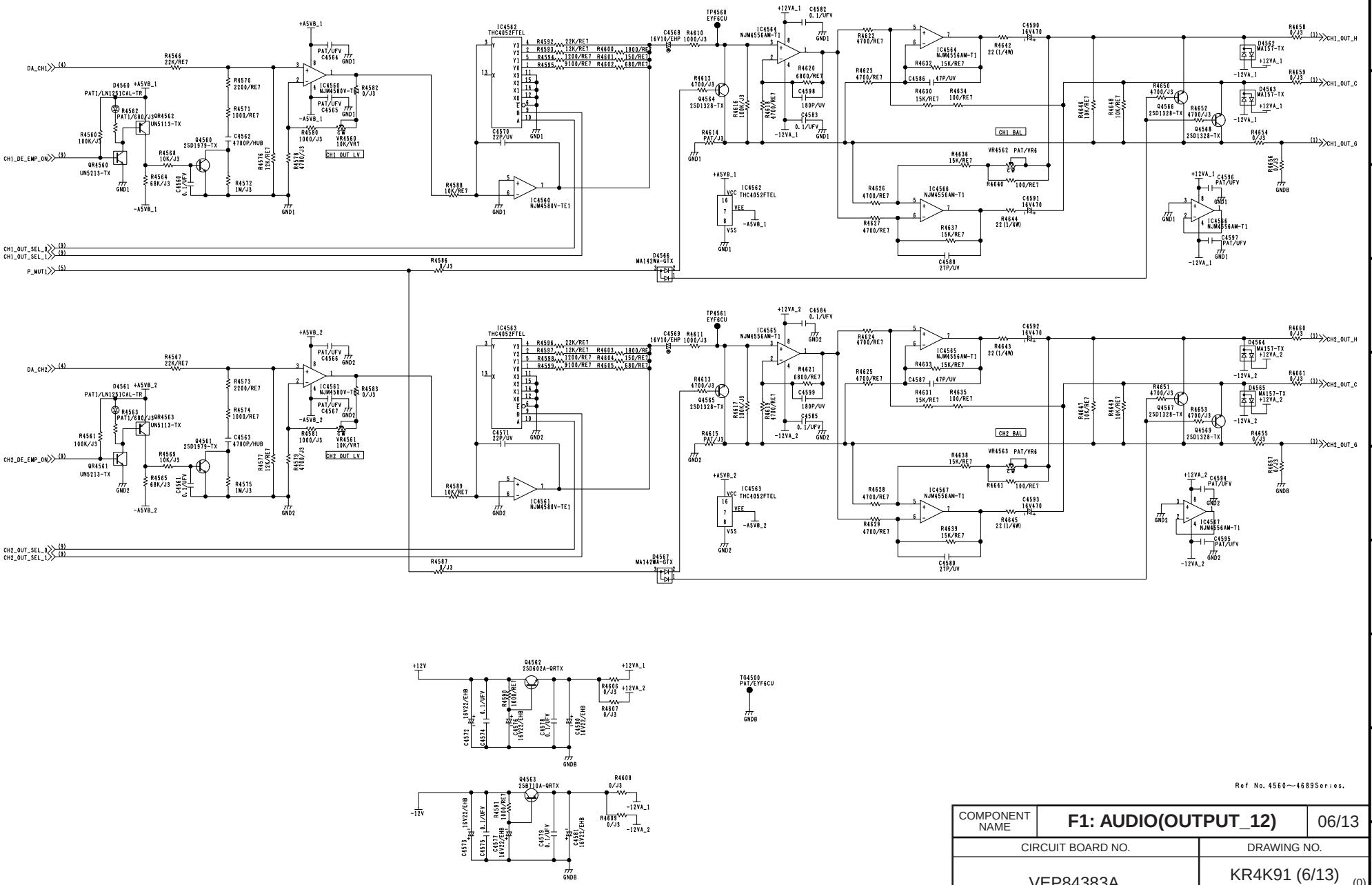




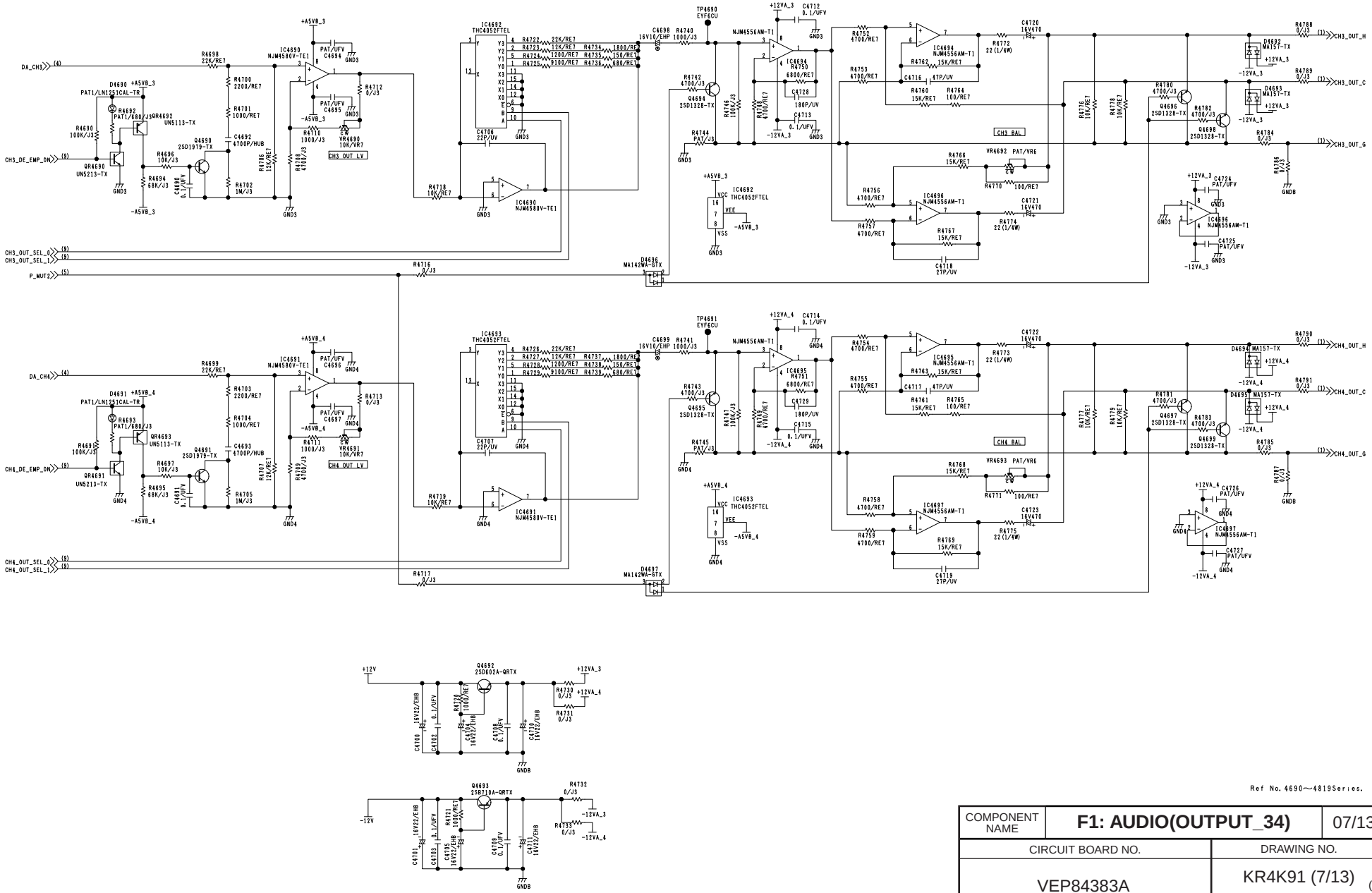


REF NO. 4450~4559

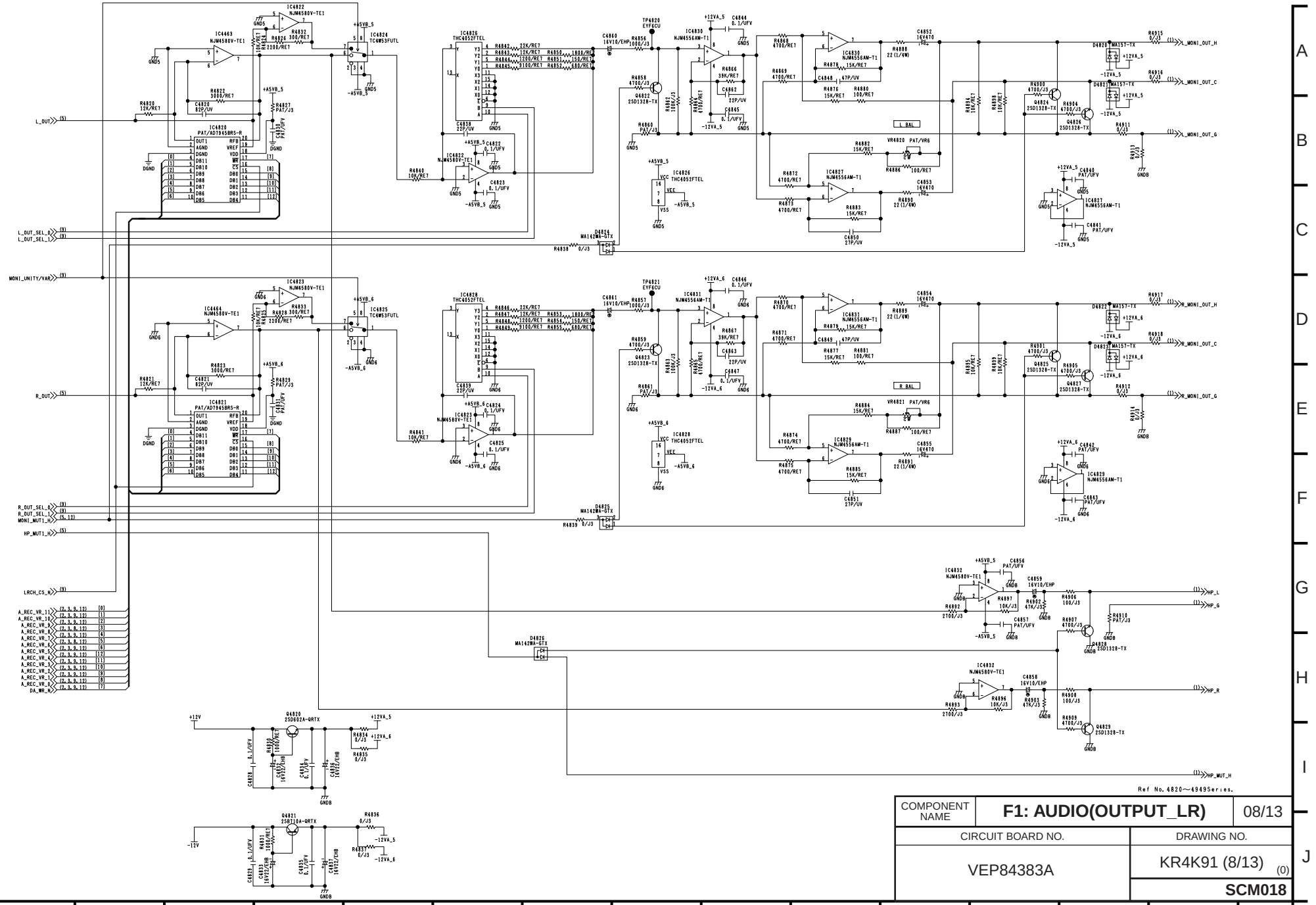
COMPONENT NAME	F1: AUDIO(D/A_LR)	05/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383A		KR4K91 (5/13) (0)
		SCM015



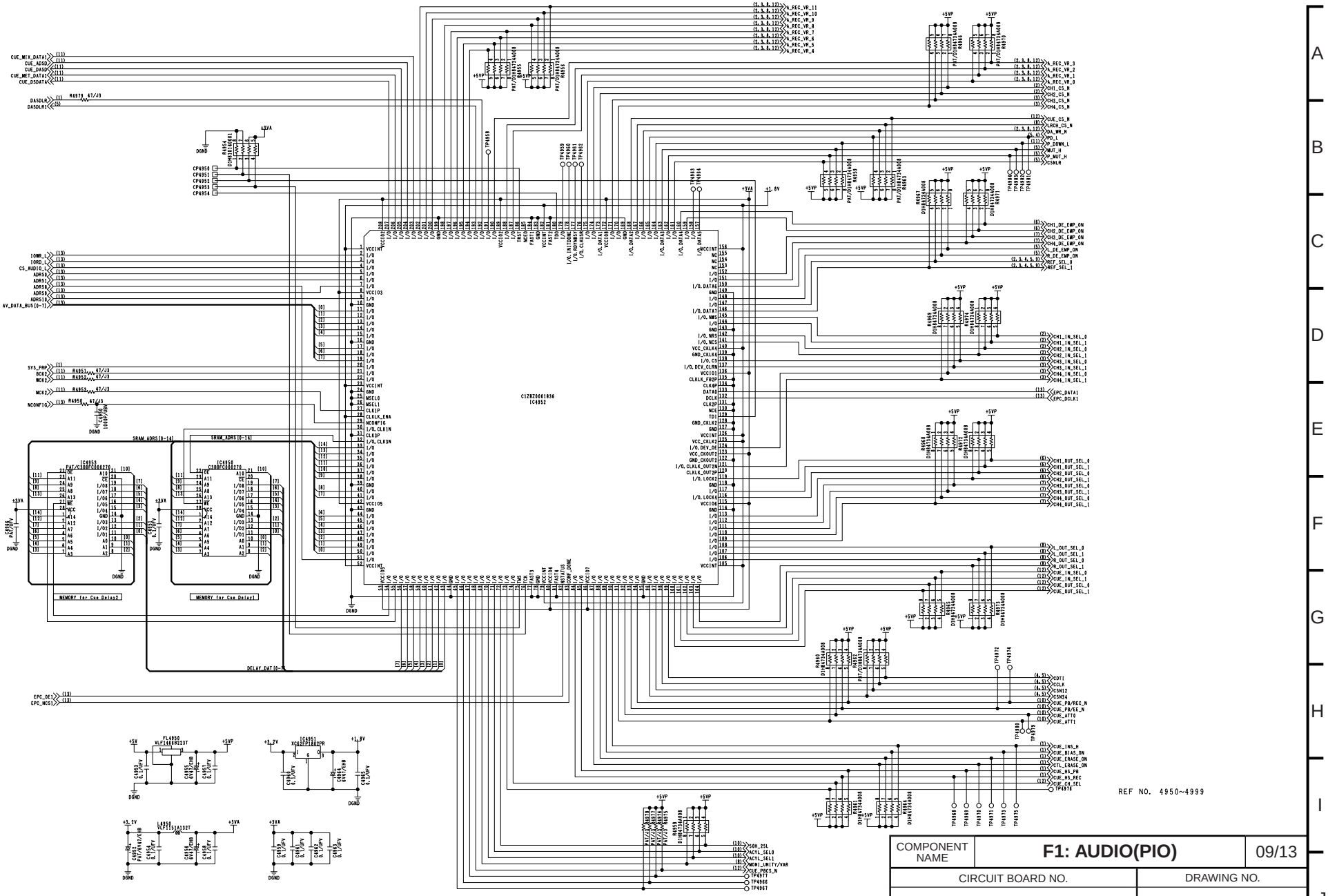
COMPONENT NAME	F1: AUDIO(OUTPUT_12)	06/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383A		KR4K91 (6/13) (0)
		SCM016



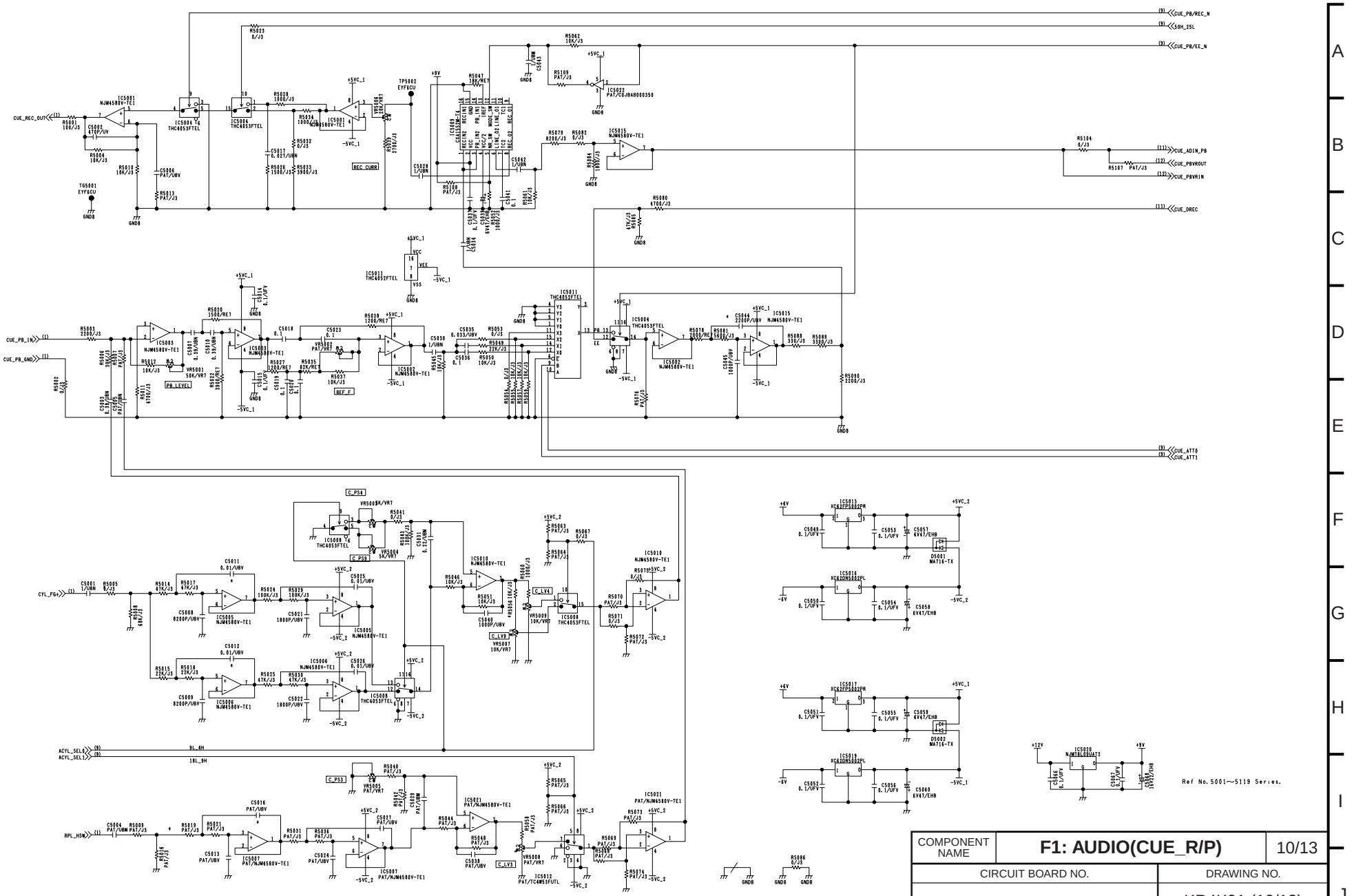
COMPONENT NAME	F1: AUDIO(OUTPUT_34)	07/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383A		KR4K91 (7/13) (0)
		SCM017



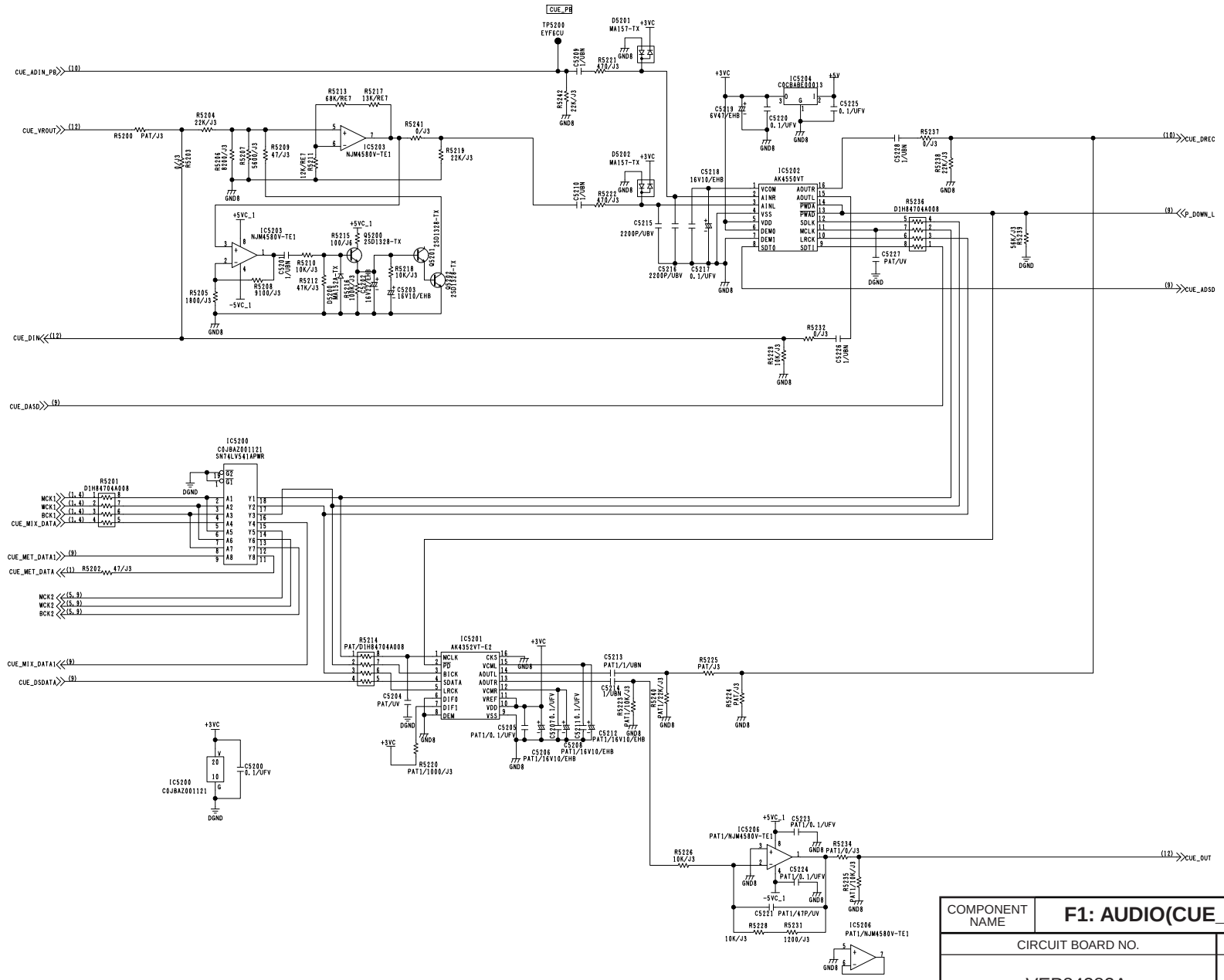
COMPONENT NAME	**F1: AUDIO(OUTPUT_LR)**	08/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383A		KR4K91 (8/13) (0)
		SCM018



COMPONENT NAME	F1: AUDIO(PIO)	09/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383A		KR4K91 (9/13) (0)
		SCM019

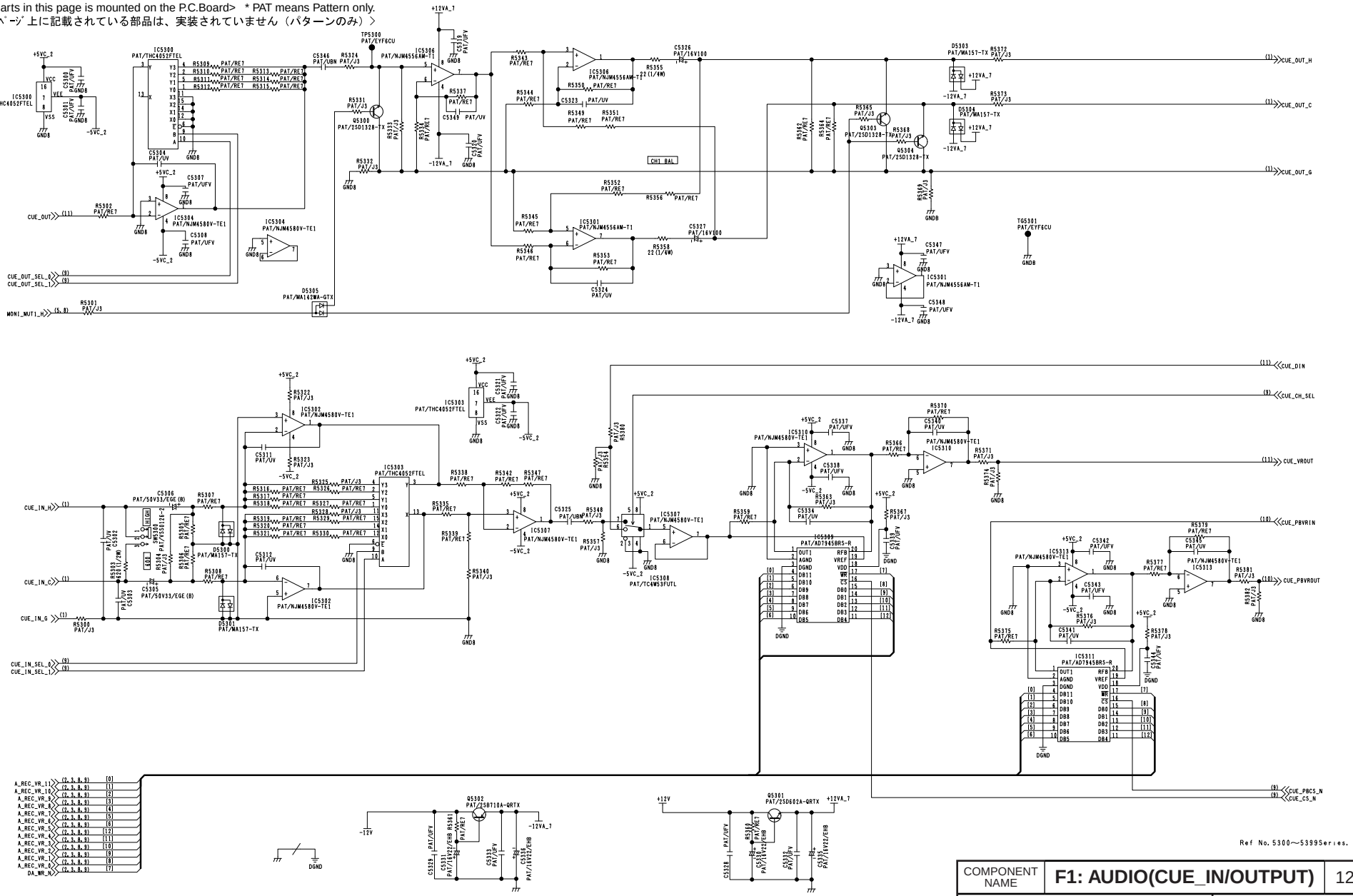


COMPONENT NAME	**F1: AUDIO(CUE_R/P)**	10/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383A		KR4K91 (10/13) (0)
		SCM020

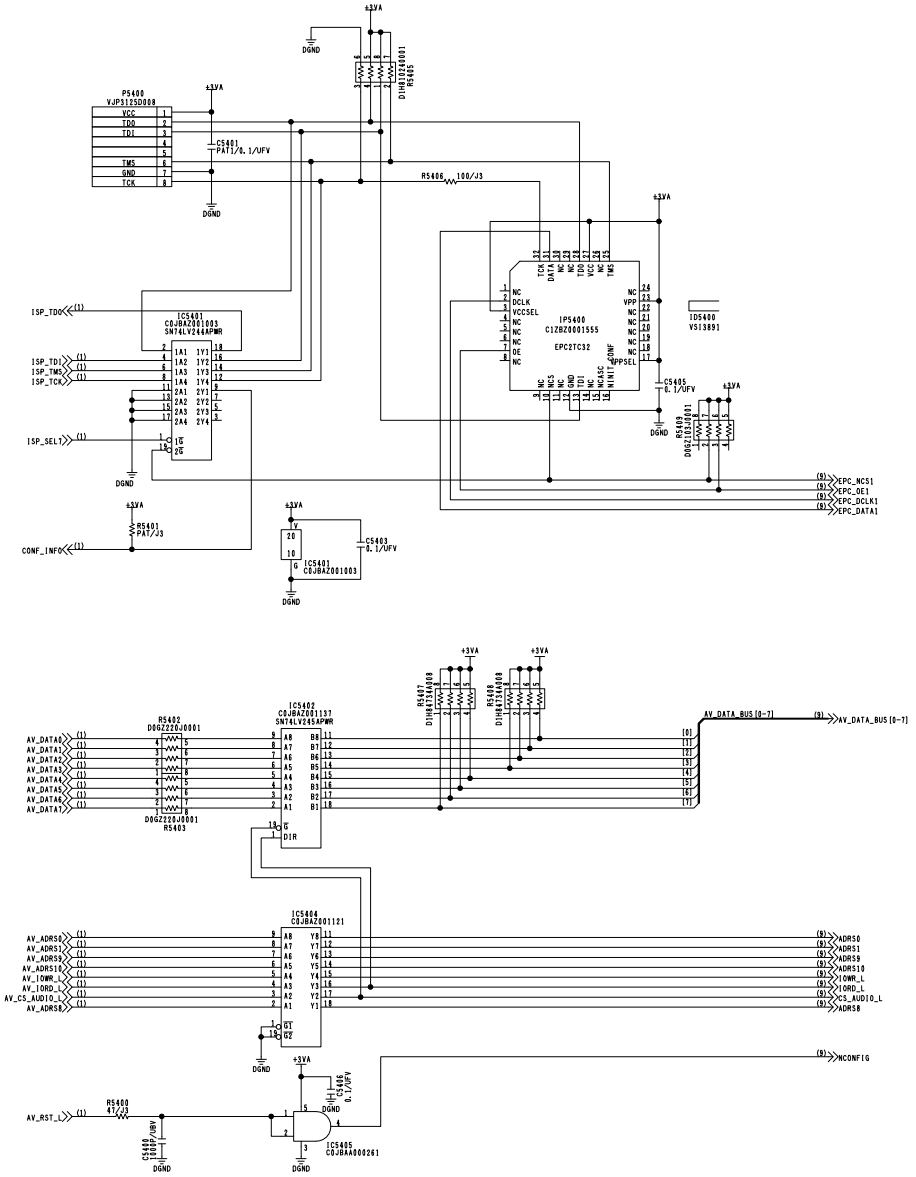


COMPONENT NAME	F1: AUDIO(CUE_CODEC)	11/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383A		KR4K91 (11/13) (0)
		SCM021

<No parts in this page is mounted on the P.C.Board> * PAT means Pattern only.
〈このﾍﾟｰｼﾞ 上に記載されている部品は、実装されていません（パターンのみ）〉

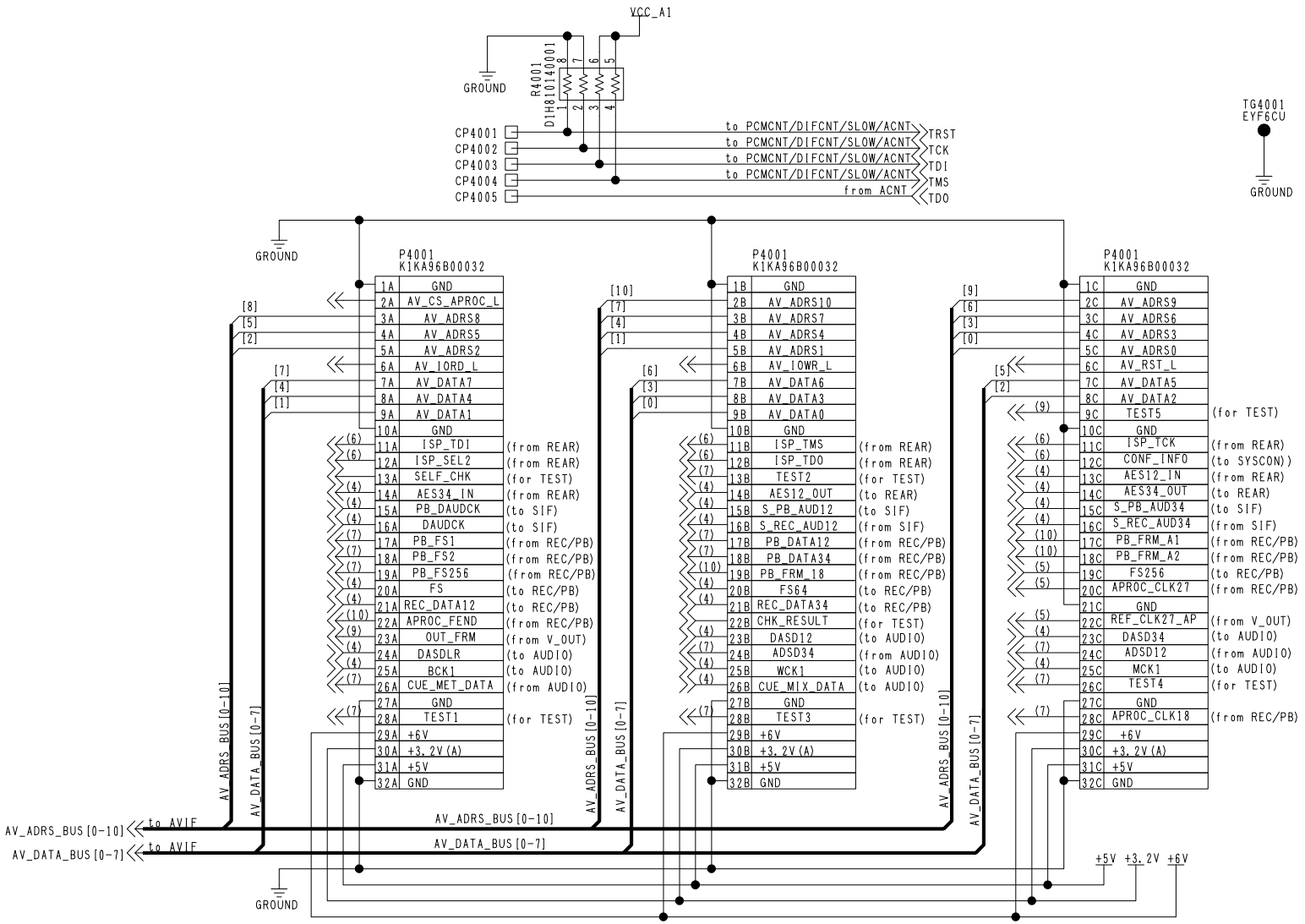


COMPONENT NAME	F1: AUDIO(CUE_IN/OUTPUT)	12/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383A		KR4K91 (12/13) (0)
		SCM022



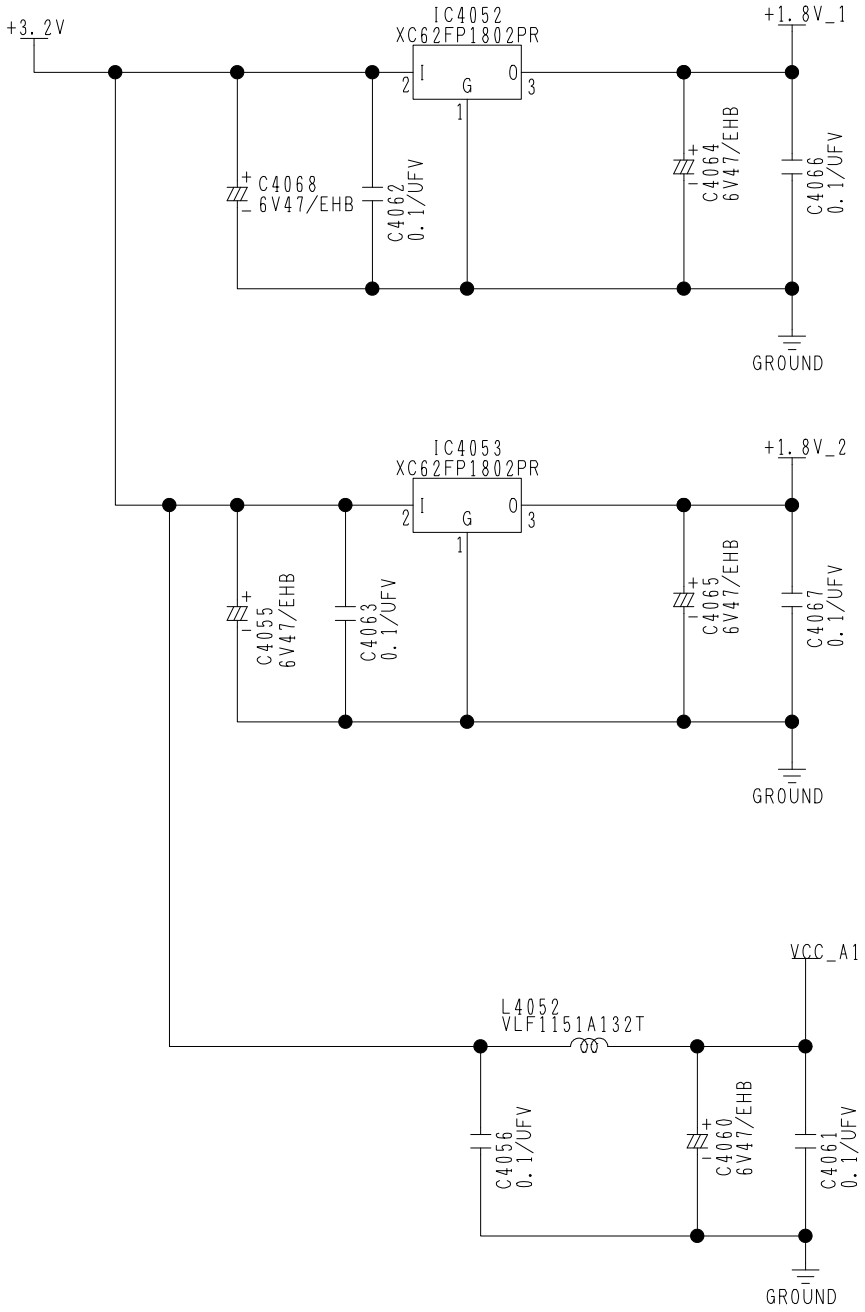
Ref No. 5400～5499Series.

COMPONENT NAME	F1: AUDIO(ISP)	13/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383A		KR4K91 (13/13) (0)
		SCM023



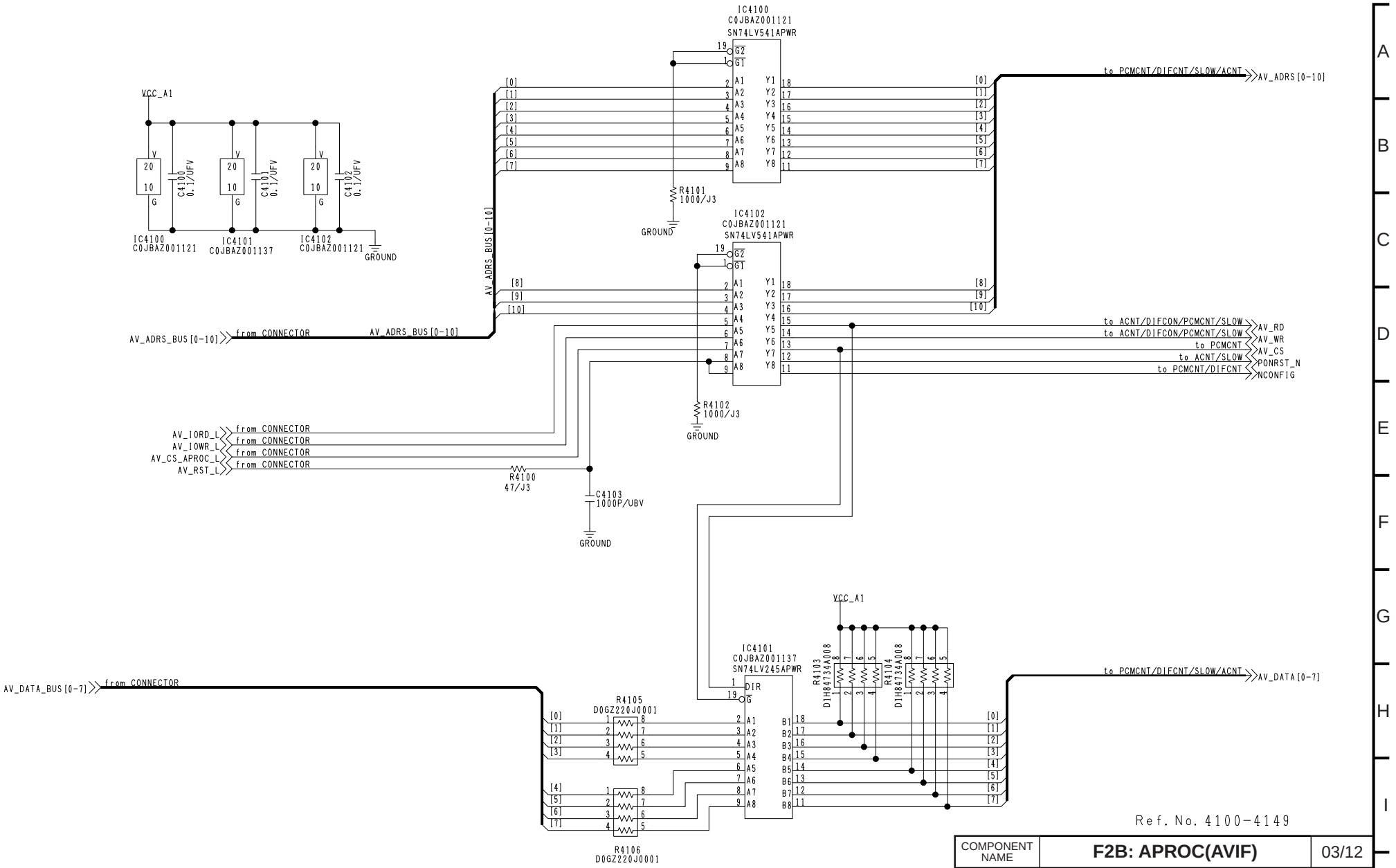
Ref. No. 4001-4050

COMPONENT NAME	F2B: APROC(CONNECTOR)	01/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384A		KR4K92 (1/12) (0)
		SCM024



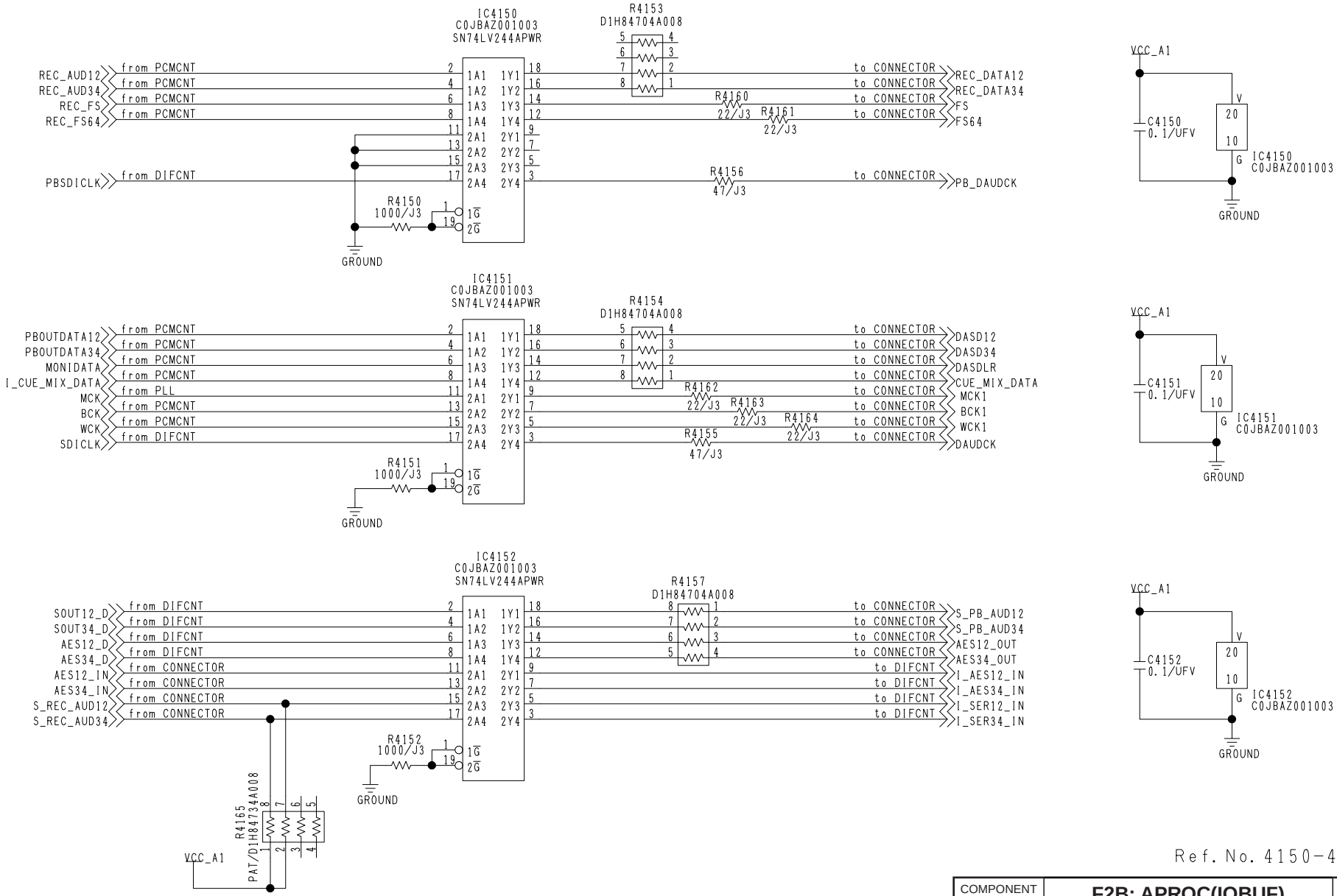
Ref. No. 4051-4099

COMPONENT NAME	F2B: APROC(POWER)	02/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384A		KR4K92 (2/12) (0)
		SCM025



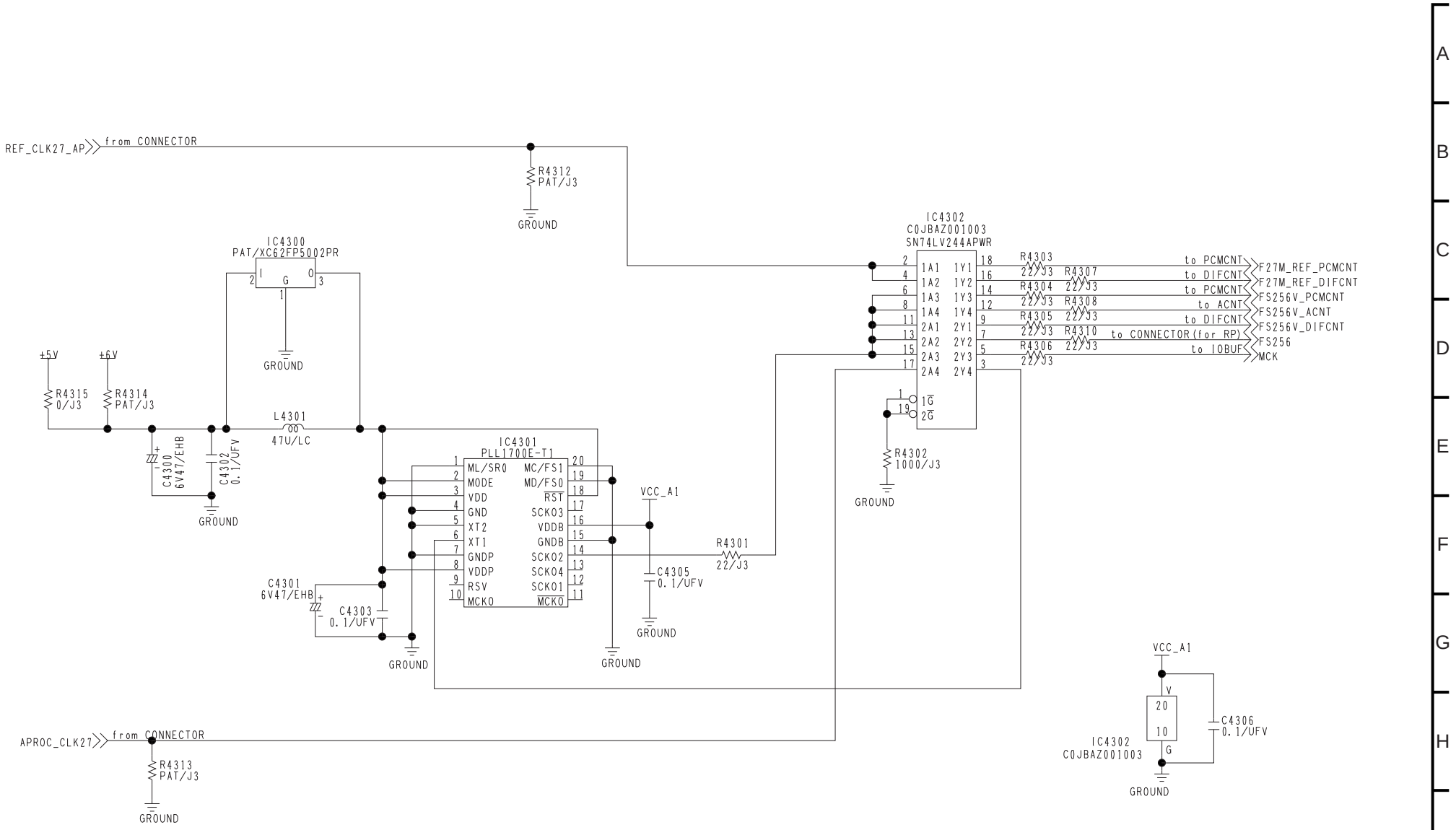
Ref. No. 4100-4149

COMPONENT NAME	F2B: APROC(AVIF)	03/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (3/12) (0)	
	SCM026	



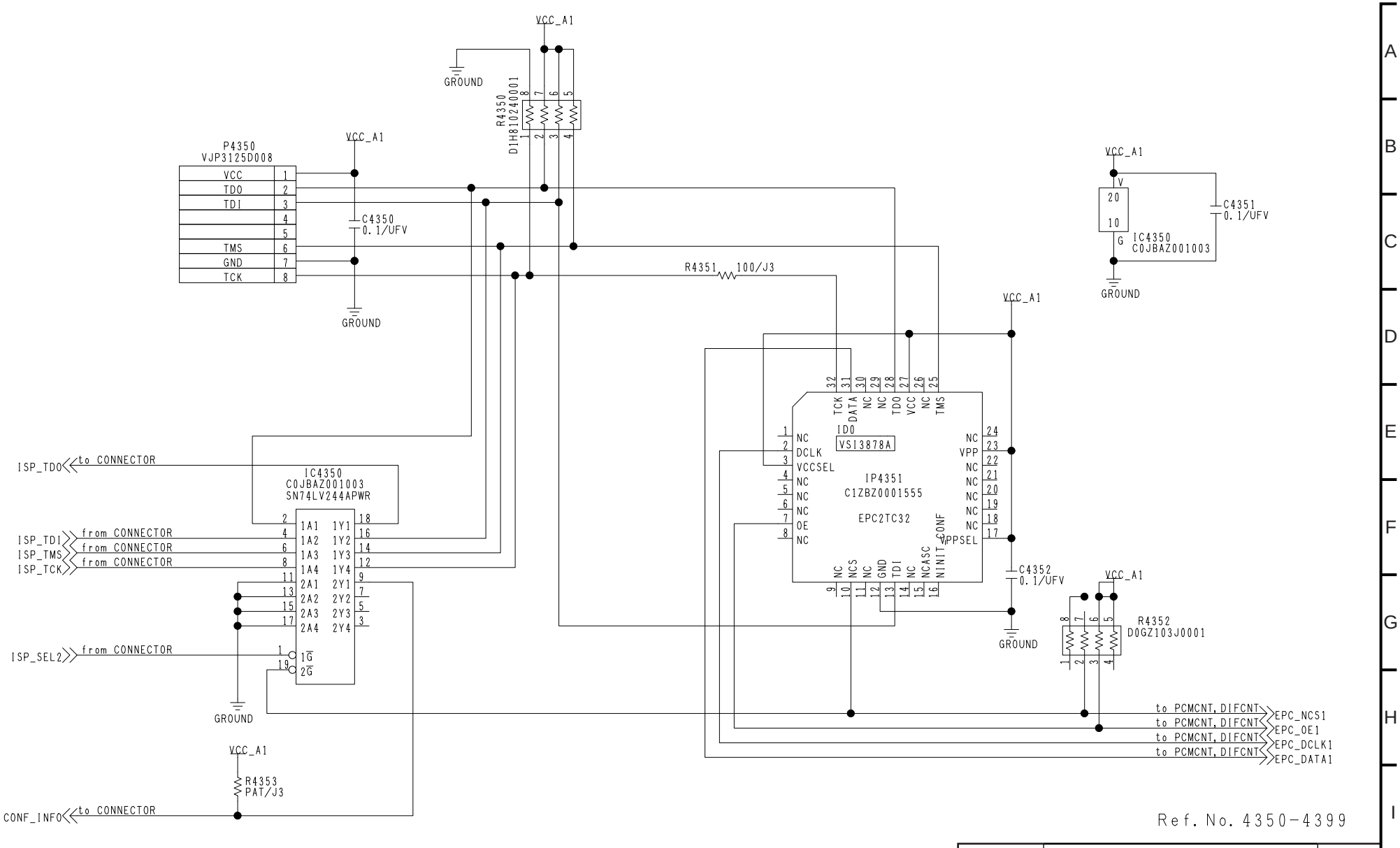
Ref. No. 4150-4199

COMPONENT NAME	F2B: APROC(IOBUF)	04/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (4/12) (0)	
	SCM027	



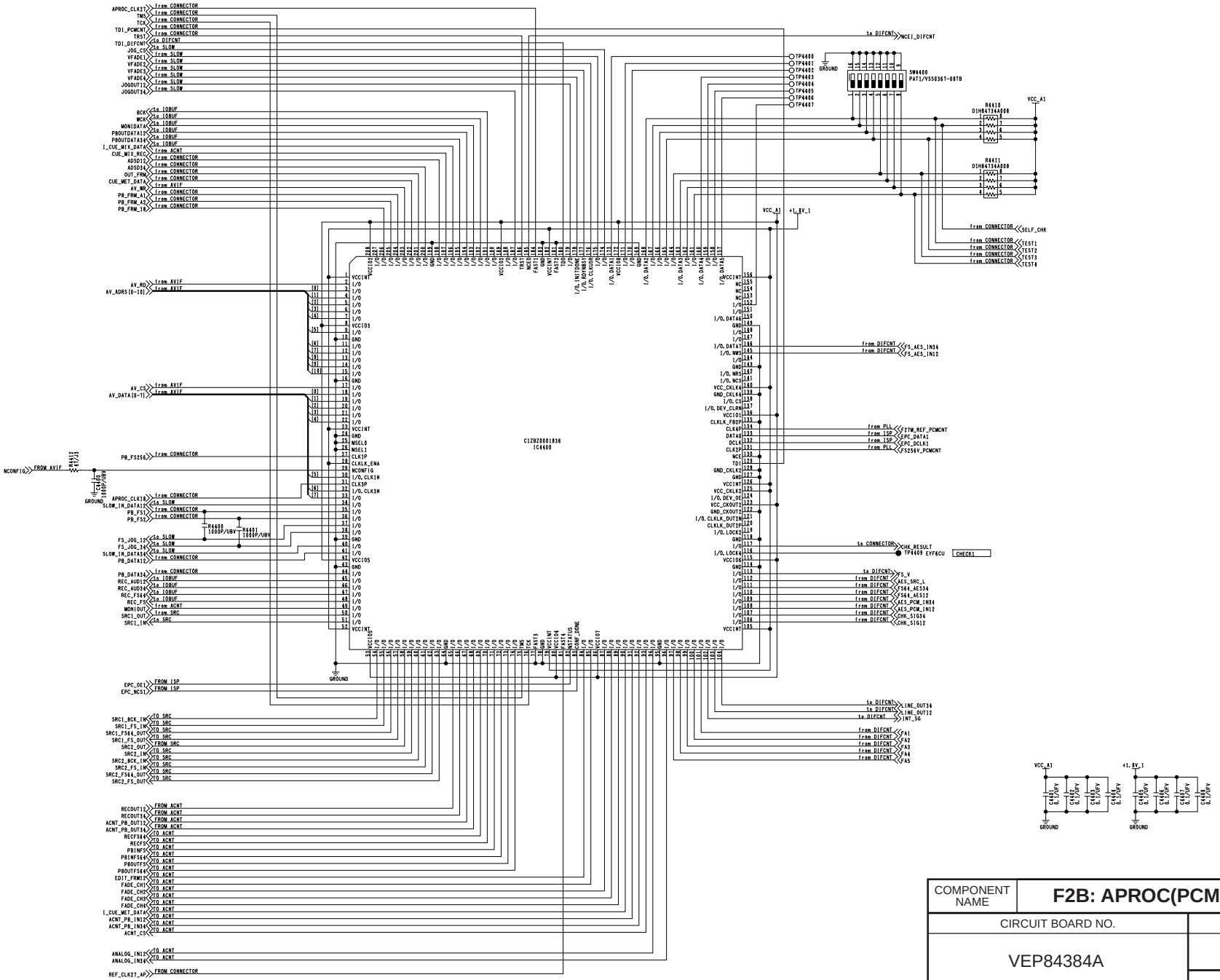
Ref. No. 4300-4349

COMPONENT NAME	F2B: APROC(PLL)	05/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384A		KR4K92 (5/12) (0)
		SCM028



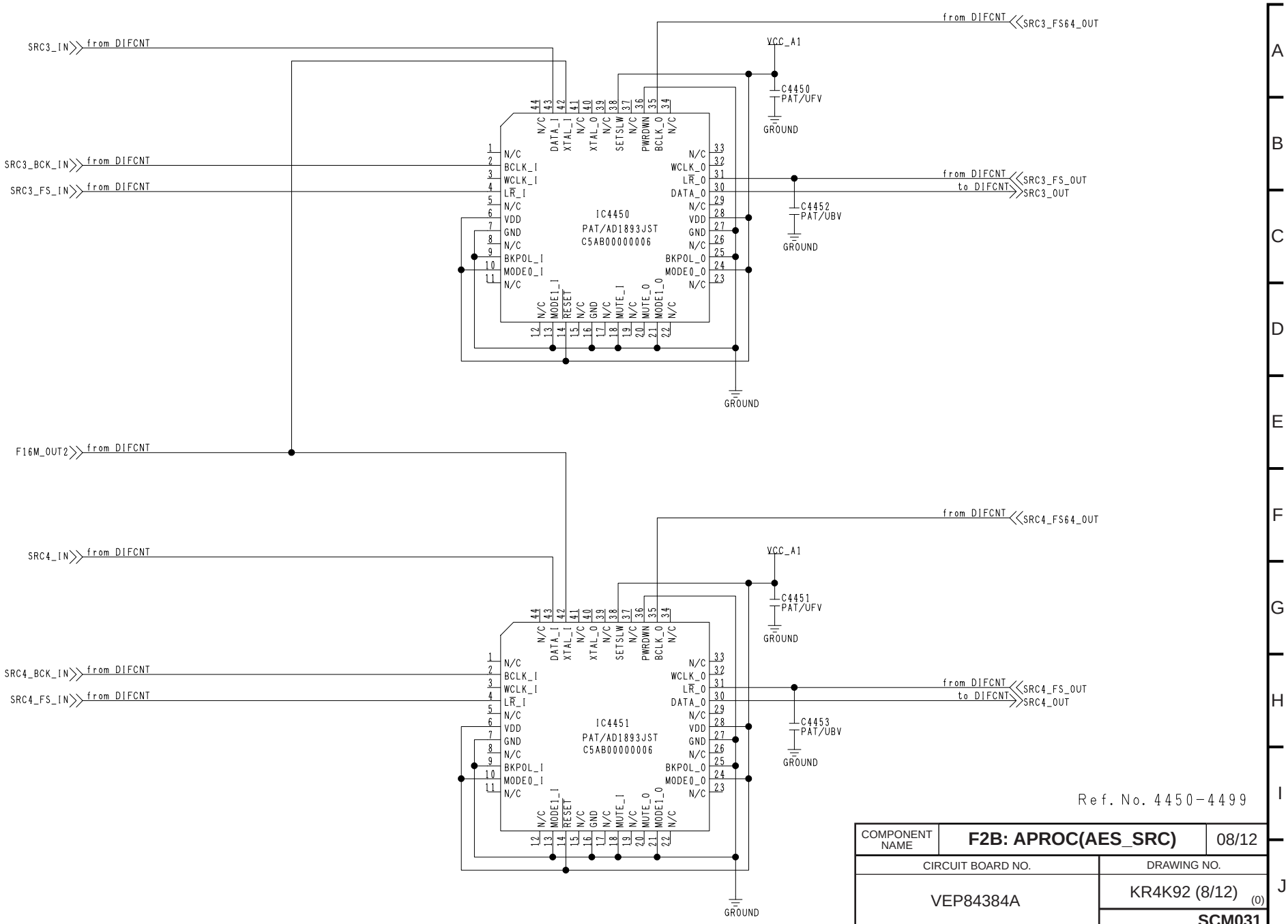
Ref. No. 4350–4399

COMPONENT NAME	F2B: APROC(ISP)	06/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (6/12) (0)	
	SCM029	



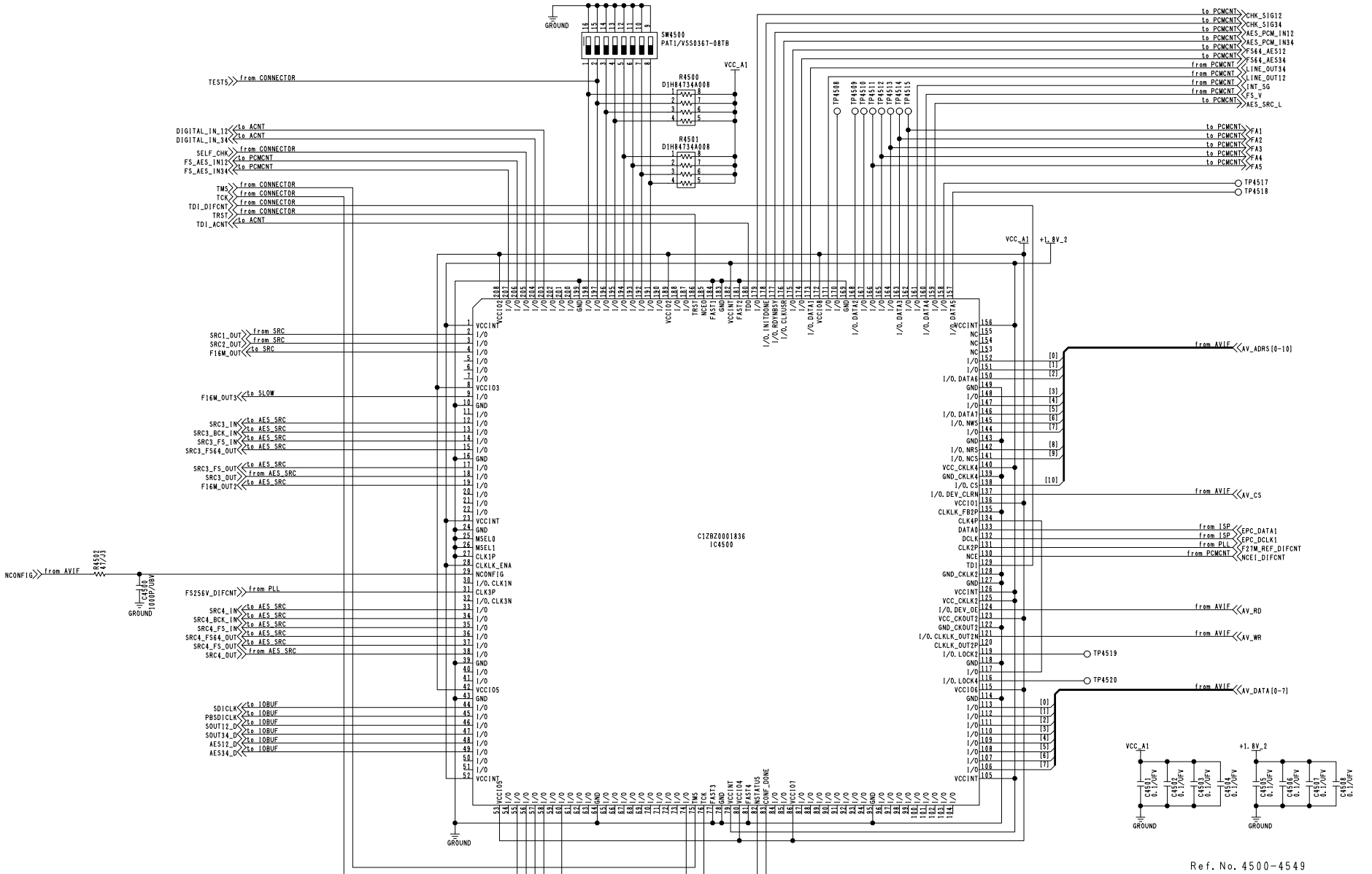
Ref. No. 4400-4449

COMPONENT NAME	F2B: APROC(PCMCNT)	07/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384A		KR4K92 (7/12) (0)
		SCM030

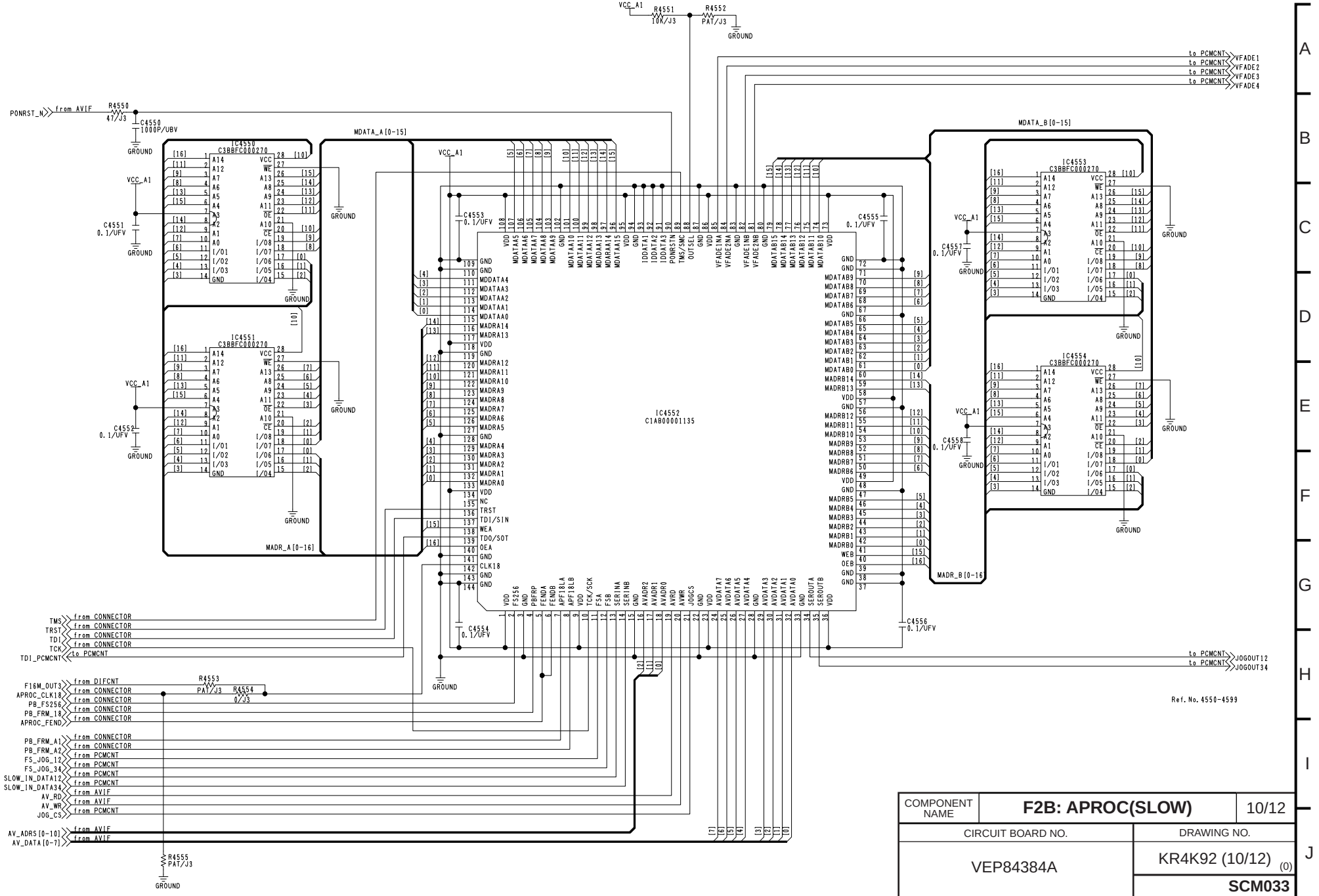


Ref. No. 4450–4499

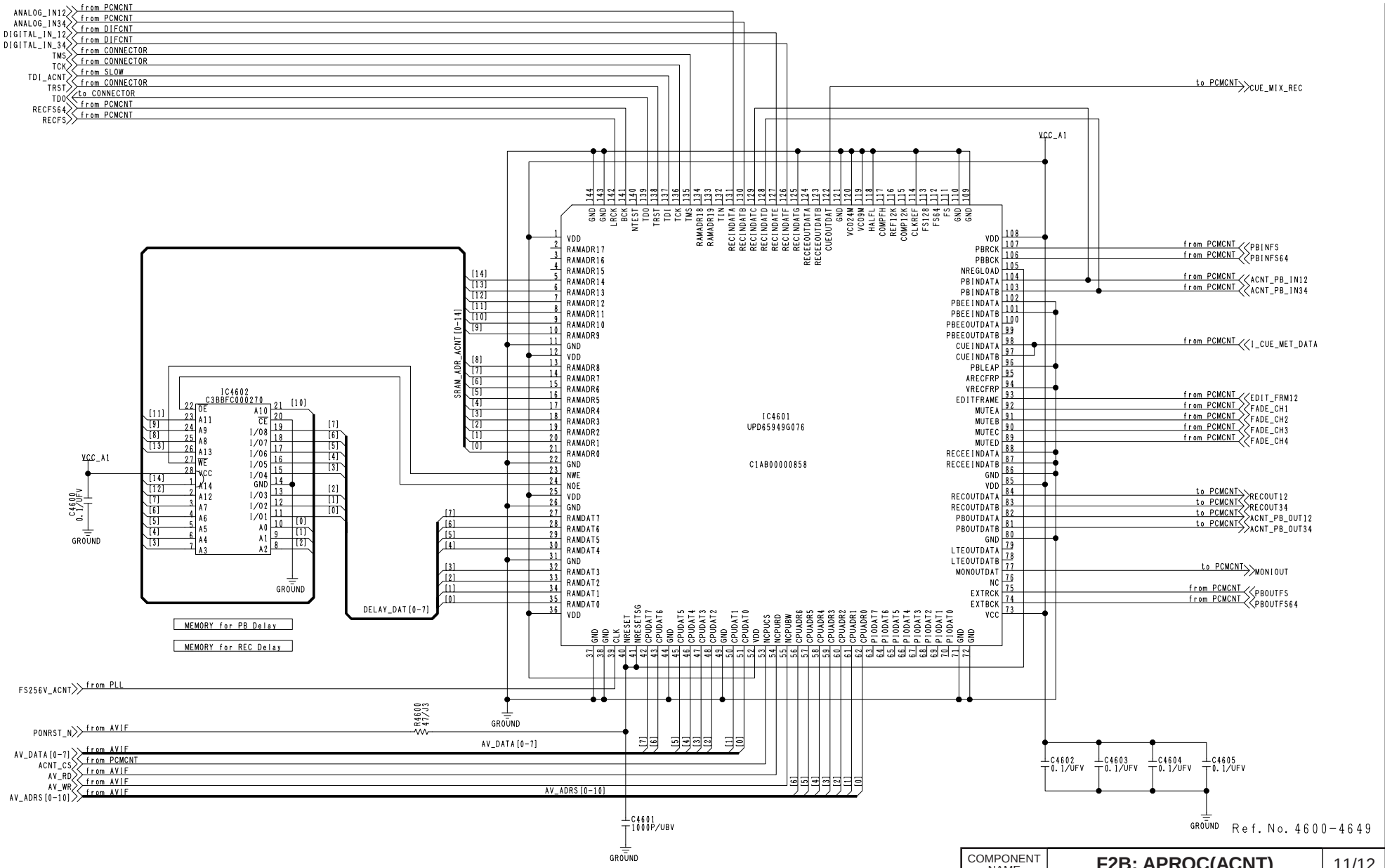
COMPONENT NAME	F2B: APROC(AES_SRC)	08/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384A		KR4K92 (8/12) (0)
		SCM031



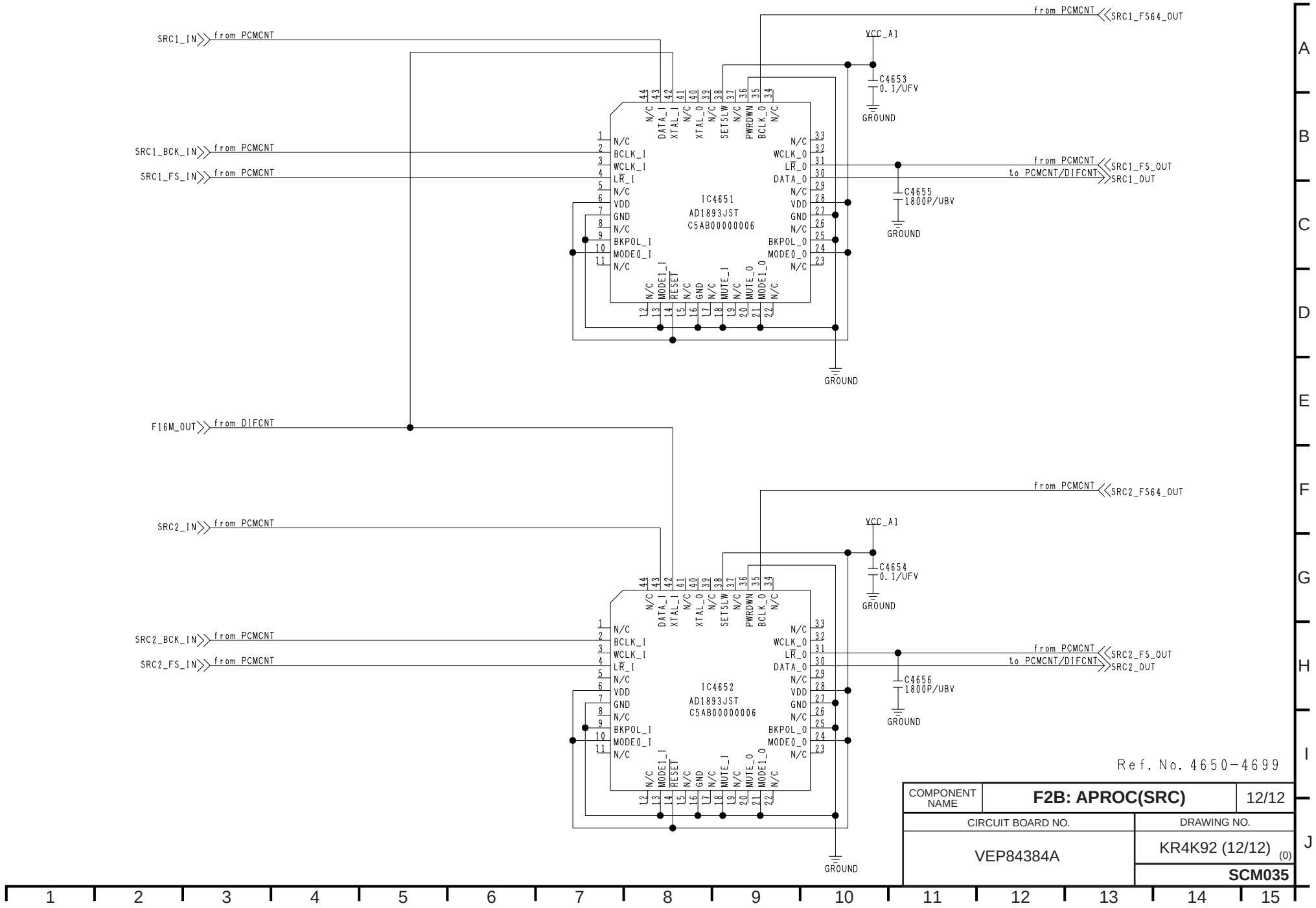
COMPONENT NAME	F2B: APROC(DIFCNT)	09/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384A		KR4K92 (9/12) (0)
		SCM032

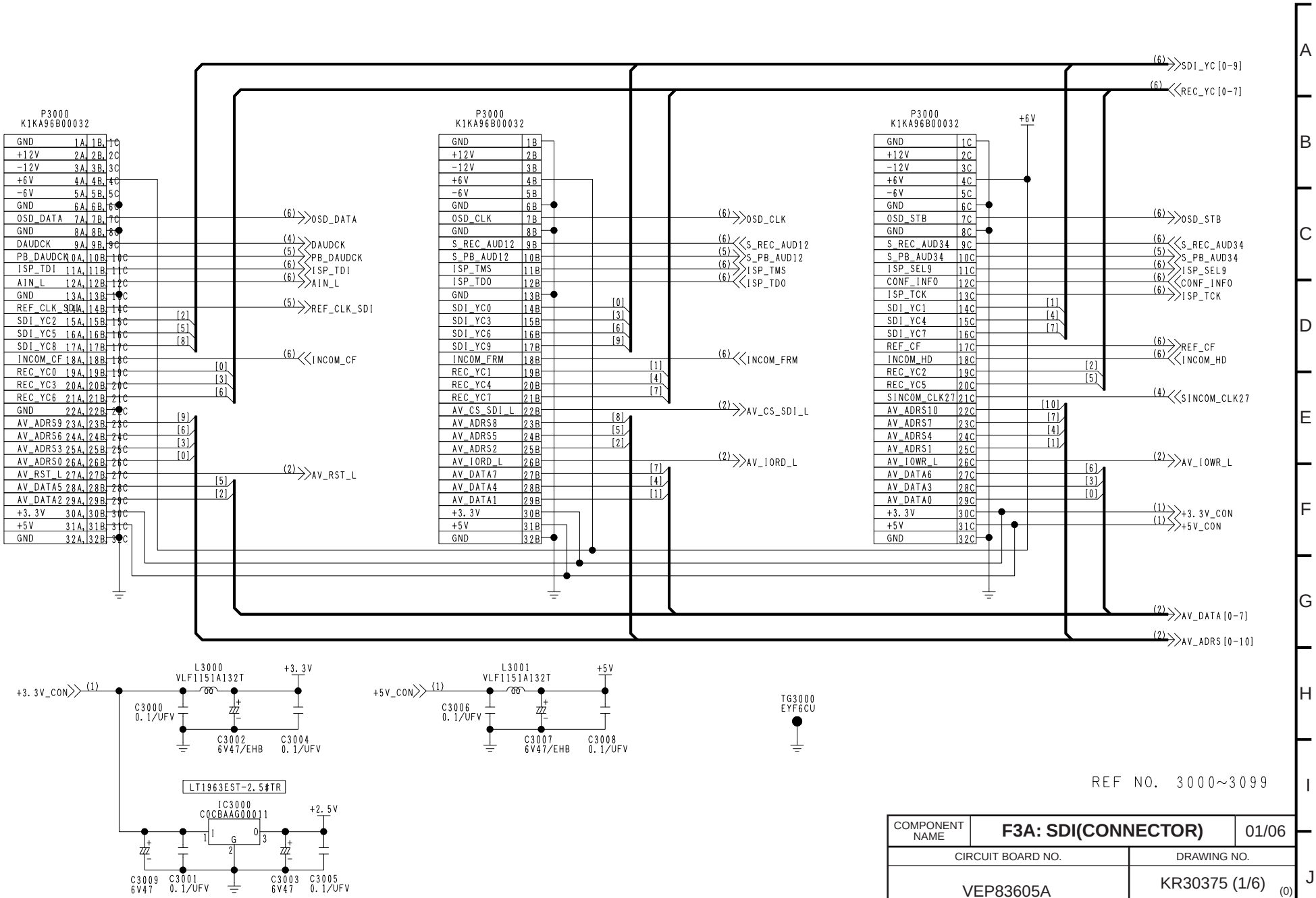


COMPONENT NAME	F2B: APROC(SLOW)	10/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384A		KR4K92 (10/12) (0)
		SCM033

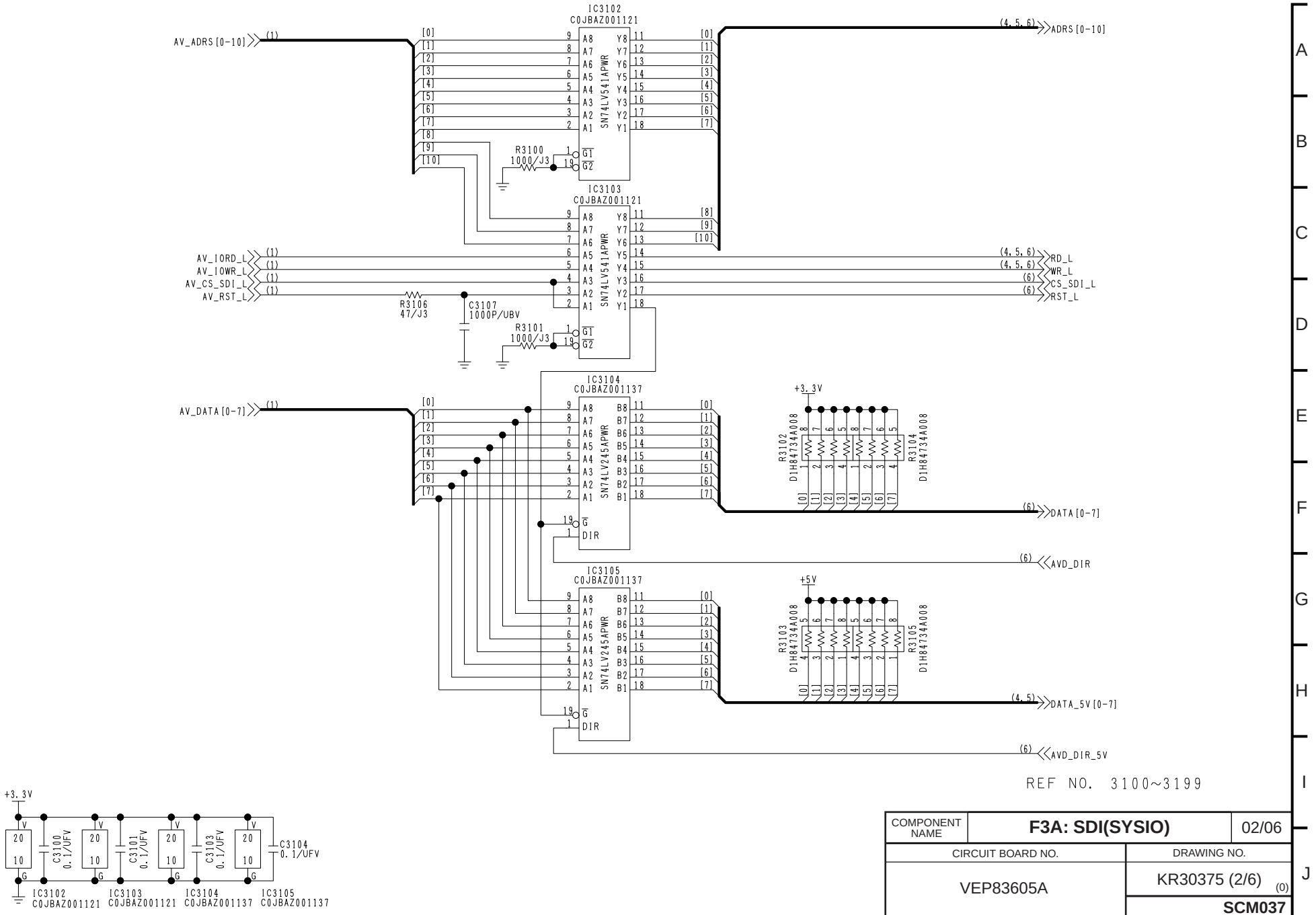


COMPONENT NAME	F2B: APROC(ACNT)	11/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384A		KR4K92 (11/12) (0)
		SCM034

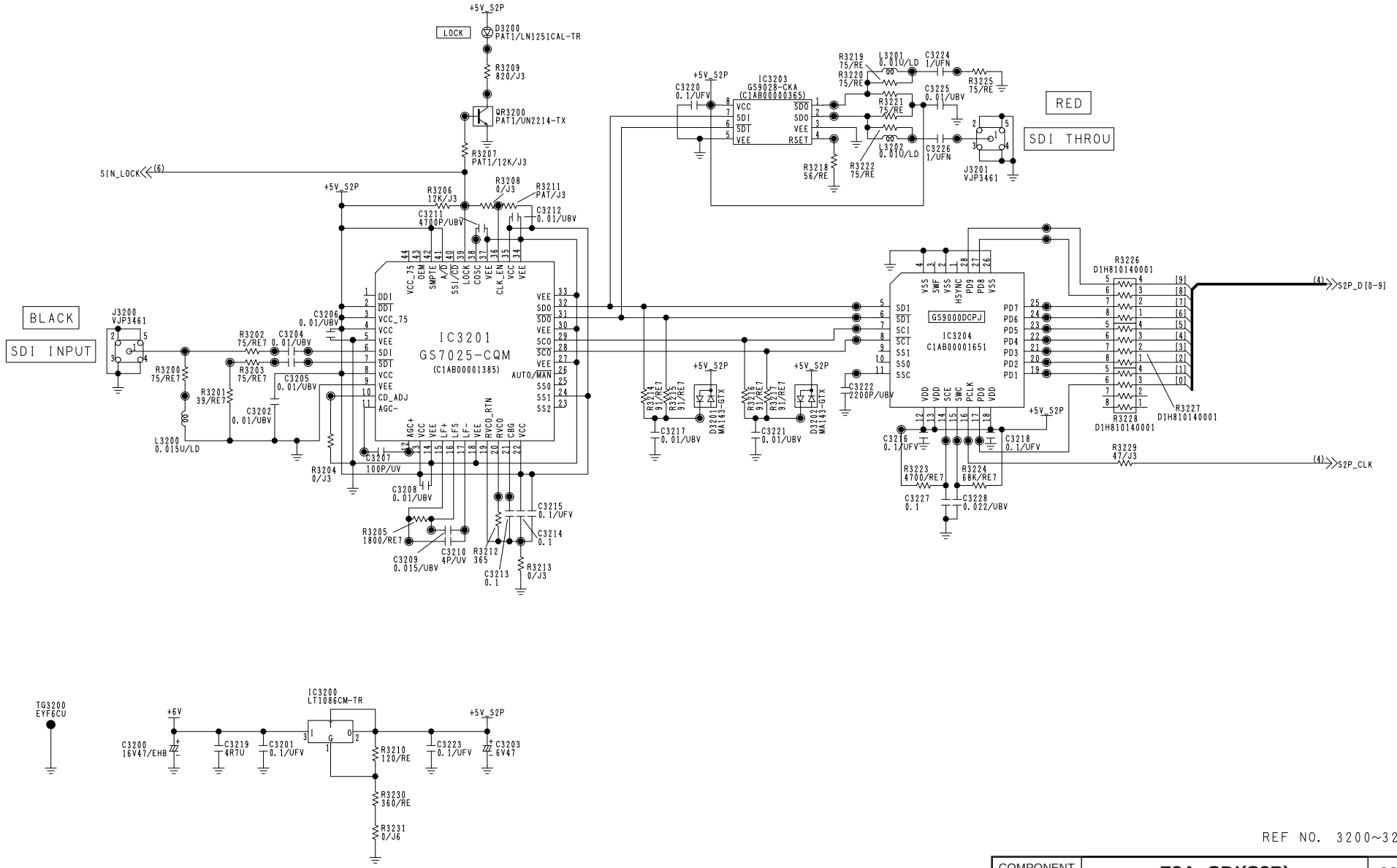

SRC1_IN
from PCMCNT
SRC1_BCK_IN
from PCMCNT
SRC1_FS_IN
from PCMCNT
F16M_OUT
from DIFCNT
SRC2_IN
from PCMCNT
SRC2_BCK_IN
from PCMCNT
SRC2_FS_IN
from PCMCNT
IC4651
AD1893JST
C5AB00000006
IC4652
AD1893JST
C5AB00000006
VCC_A1
C4653
0.1/UFV
C4654
0.1/UFV
C4655
1800P/UBV
C4656
1800P/UBV
GROUND
from PCMCNT
SRC1_FS64_OUT
from PCMCNT
SRC1_FS_OUT
to PCMCNT/DIFCNT
SRC1_OUT
from PCMCNT
SRC2_FS64_OUT
from PCMCNT
SRC2_FS_OUT
to PCMCNT/DIFCNT
SRC2_OUT
Ref. No. 4650-4699
COMPONENT NAME
F2B: APROC(SRC)
12/12
CIRCUIT BOARD NO.
VEP84384A
DRAWING NO.
KR4K92 (12/12) (0)
SCM035



COMPONENT NAME	F3A: SDI(CONNECTOR)	01/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83605A	KR30375 (1/6) (0)	
	SCM036	

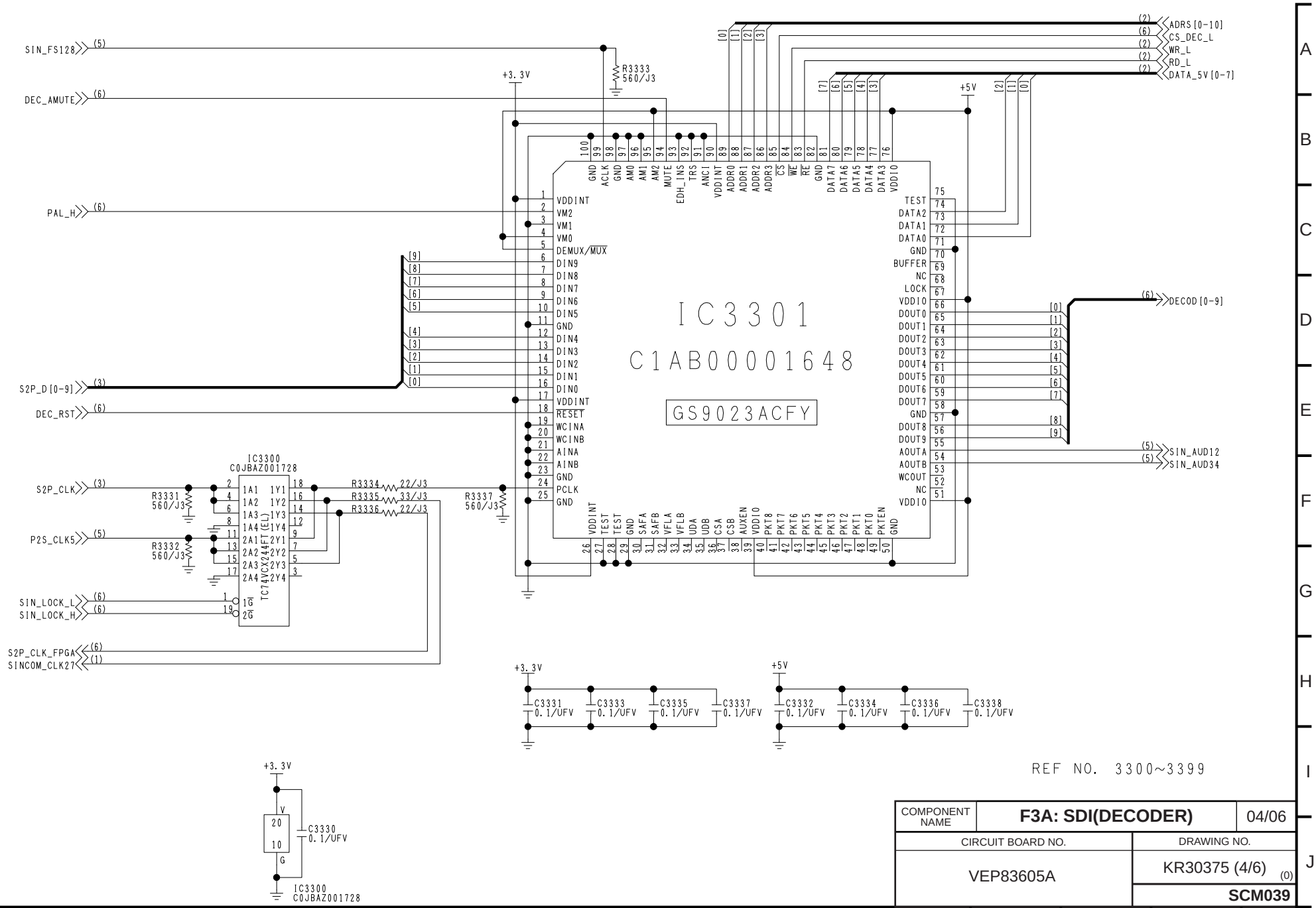


COMPONENT NAME	**F3A: SDI(SYSIO)**	02/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83605A	KR30375 (2/6) (0)	
	SCM037	

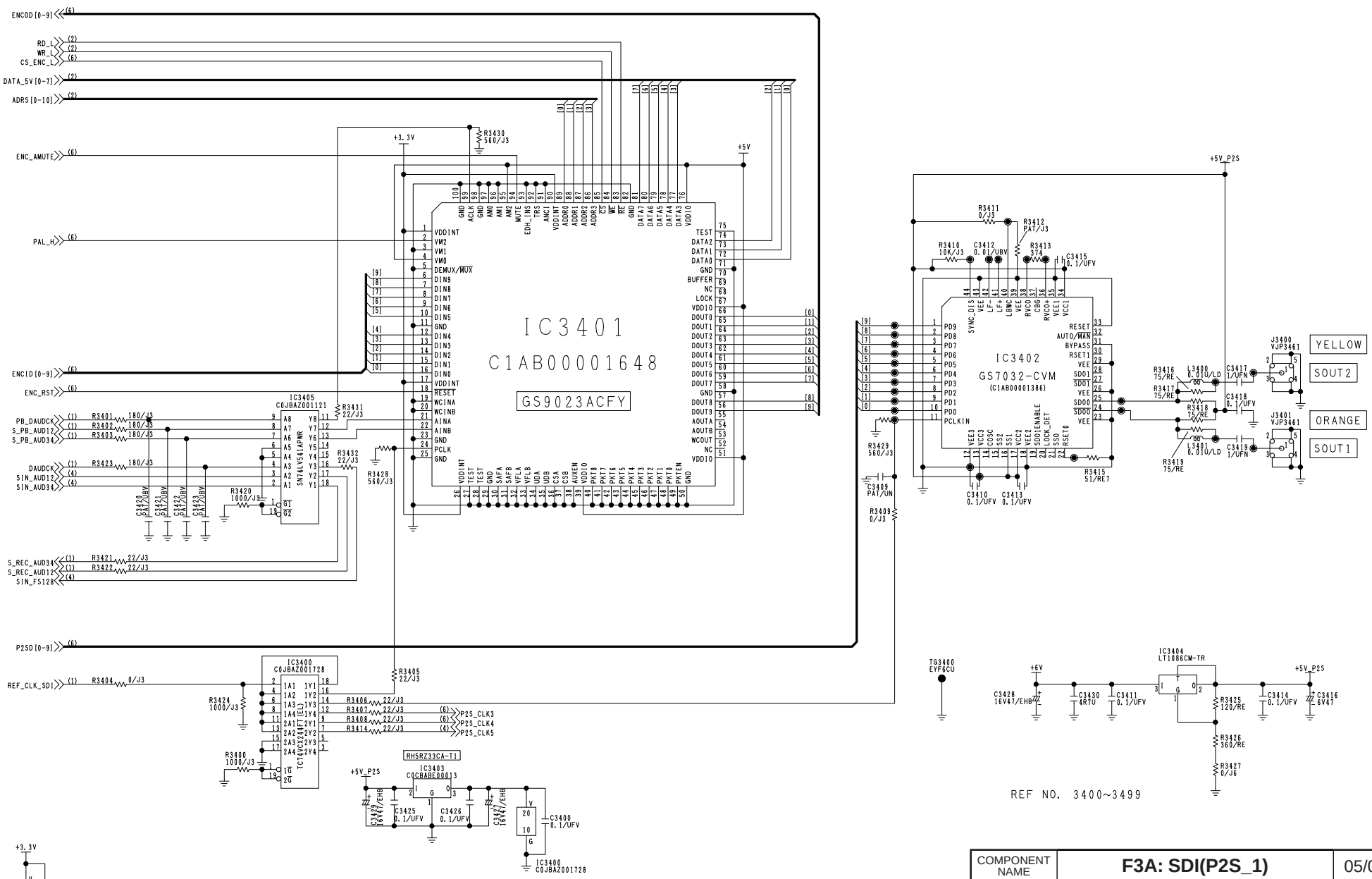


REF NO. 3200~3299

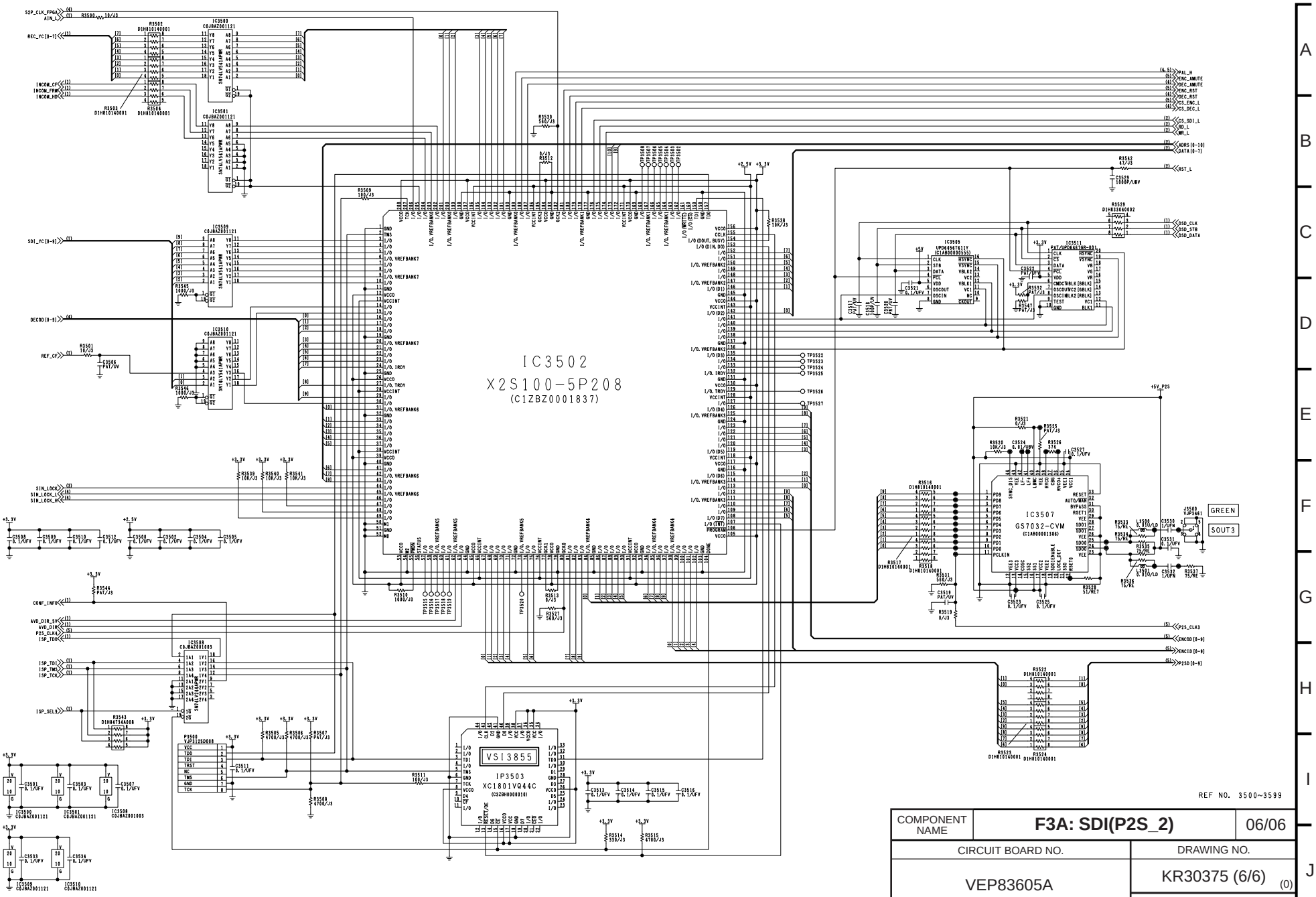
COMPONENT NAME	F3A: SDI(S2P)	03/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP83605A		KR30375 (3/6) (0)
		SCM038

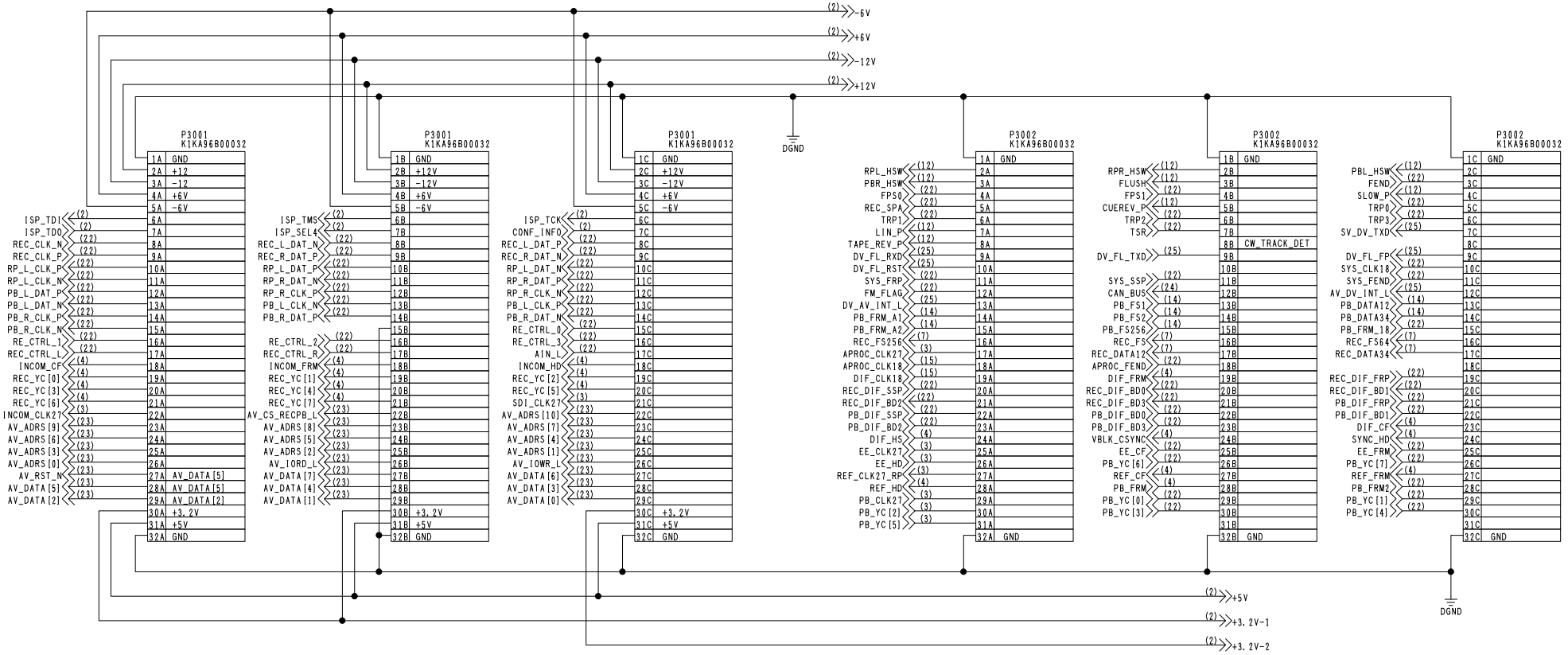


COMPONENT NAME	**F3A: SDI(DECODER)**	04/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83605A	KR30375 (4/6) (0)	
	SCM039	



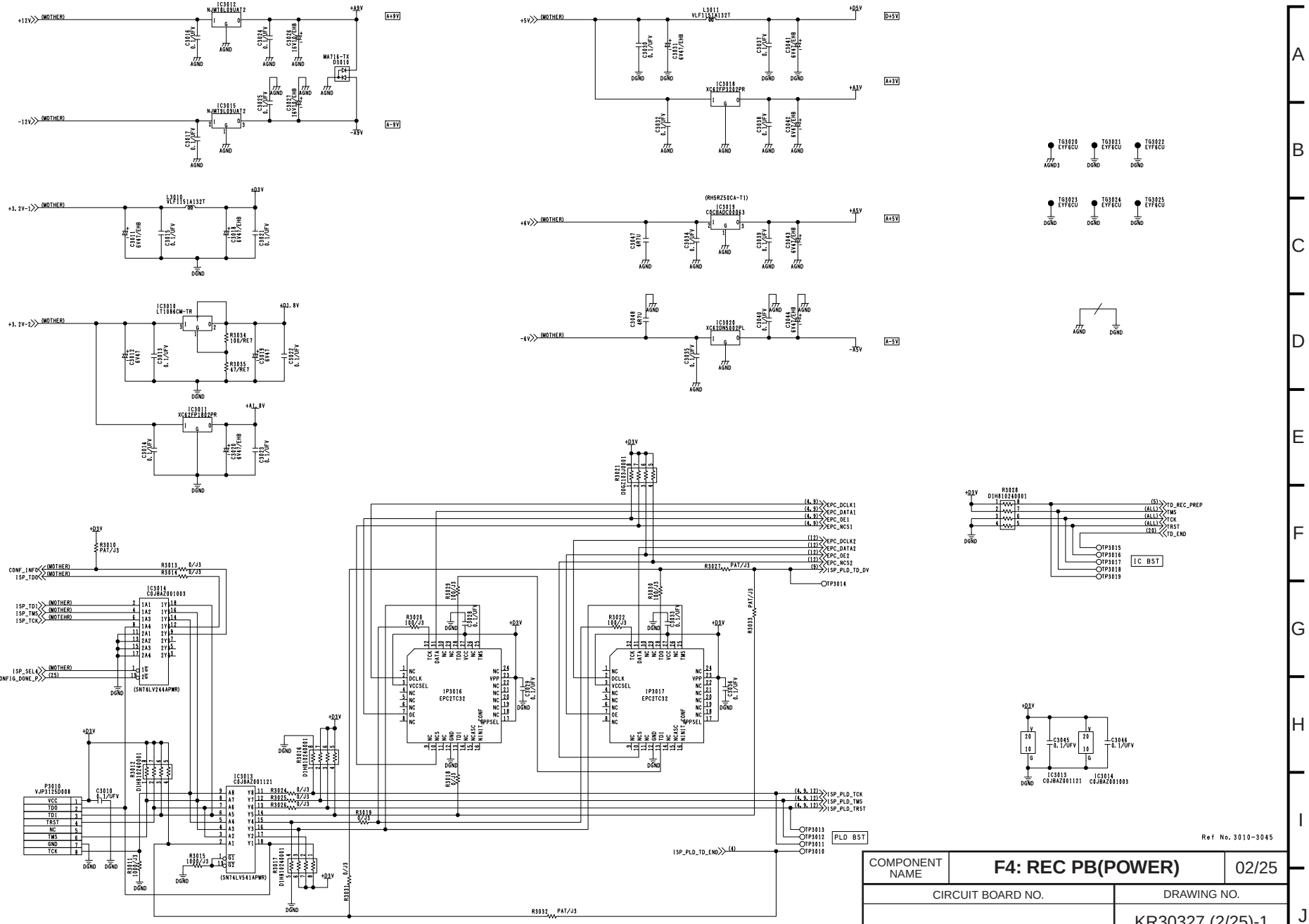
COMPONENT NAME	**F3A: SDI(P2S_1)**	05/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83605A	KR30375 (5/6) (0)	
	SCM040	


IC3502
X2S100-5P208
(C1ZBZ0001837)
IC3503
XC1801VQ44C
(C3ZWH0000010)
VSI3855
IC3507
GS7032-CVM
(C1AB0001586)
IC3585
UPD64567E1Y
(C1AB0000555)
IC3511
PAT/UPD64578R-BA
IC3500
C0JBAZ001121
IC3501
C0JBAZ001121
IC3509
C0JBAZ001121
IC3510
C0JBAZ001121
IC3508
C0JBAZ001003
IC3561
C0JBAZ001121
IC3508
C0JBAZ001003
IC3508
C0JBAZ001121
IC3509
C0JBAZ001121
IC3510
C0JBAZ001121
R3502
D1H810140001
R3503
D1H810140001
R3504
D1H810140001
R3530
560/J3
R3531
560/J3
R3532
6/J3
R3538
10K/J3
R3539
10K/J3
R3540
10K/J3
R3541
10K/J3
R3542
47/J3
R3543
D1H84734A008
R3544
PAT/J3
R3545
1000/J3
R3546
1000/J3
R3547
PAT/J3
R3548
PAT/J3
R3501
10/J3
R3500
10R/J3
R3505
4700/J3
R3506
4700/J3
R3507
PAT/J3
R3508
4700/J3
R3509
4700/J3
R3510
1000/J3
R3511
100/J3
R3512
6/J3
R3513
0/J3
R3514
330/J3
R3515
4700/J3
R3516
D1H810140001
R3517
PAT/J3
R3518
D1H810140001
R3519
0/J3
R3520
10K/J3
R3521
0/J3
R3522
D1H810140001
R3523
D1H810140001
R3524
D1H810140001
R3525
PAT/J3
R3526
374
R3527
PAT/J3
R3528
51/RE7
R3529
PAT/J3
R3531
D1H810140001
R3533
75/RE
R3534
75/RE
R3535
75/RE
R3536
75/RE
R3537
75/RE
C3500
0.1/UFV
C3501
0.1/UFV
C3502
0.1/UFV
C3503
0.1/UFV
C3504
0.1/UFV
C3505
0.1/UFV
C3506
PAT/0V
C3507
0.1/UFV
C3508
0.1/UFV
C3509
0.1/UFV
C3510
0.1/UFV
C3511
0.1/UFV
C3512
0.1/UFV
C3513
0.1/UFV
C3514
0.1/UFV
C3515
0.1/UFV
C3516
0.1/UFV
C3517
PAT/0V
C3518
PAT/0V
C3519
PAT/0V
C3520
PAT/0V
C3521
0.1/UFV
C3522
PAT/0V
C3523
0.1/UFV
C3524
0.01/0BV
C3525
0.1/UFV
C3526
0.1/UFV
C3527
0.1/UFV
C3528
1000P/0BV
C3529
PAT/0V
C3530
1/0FN
C3531
0.1/UFV
C3532
1/0FN
C3533
PAT/0V
C3534
0.1/UFV
C3535
0.1/UFV
C3536
0.1/UFV
C3537
0.1/UFV
C3538
0.1/UFV
C3539
0.1/UFV
C3540
0.1/UFV
C3541
0.1/UFV
L3500
0.1UH/LD
L3501
0.1UH/LD
L3502
0.1UH/LD
J3500
VJP5461
J3501
VJP5461
P3500
VJP3125D008
TP3501
TP3502
TP3503
TP3504
TP3505
TP3506
TP3507
TP3508
TP3509
TP3510
TP3511
TP3512
TP3513
TP3514
TP3515
TP3516
TP3517
TP3518
TP3519
TP3520
TP3521
TP3522
TP3523
TP3524
TP3525
TP3526
TP3527
S2P_CLK_FPGA
AIN_L
REC_YC[0-7]
INCOM_CK
INCOM_FWK
INCOM_HD
SDI_YC[0-9]
DECOD[0-9]
REF_CK
SIN_LOCK
SIN_LOCK
SIN_LOCK_MCK
CONF_INFO
AVD_DIR_SW
AVD_DIR
P2S_CLK
ISP_TDO
ISP_TDI
ISP_TMS
ISP_TCK
ISP_SEL
PAL_H
ENC_AMUTE
DEC_AMUTE
ENC_RST
DEC_RST
CS_ENC_L
CS_DEC_L
CS_SDI_L
RD_L
WR_L
ADRS[8-10]
DATA[0-7]
RST_L
OSD_CLK
OSD_STB
OSD_DATA
+5V_P2S
P2S_CLK3
ENCOD[0-9]
ENCID[0-9]
P2SD[0-9]
GREEN
SOUT3
REF NO. 3500~3599
COMPONENT NAME
F3A: SDI(P2S_2)
06/06
CIRCUIT BOARD NO.
VEP83605A
DRAWING NO.
KR30375 (6/6) (0)
SCM041



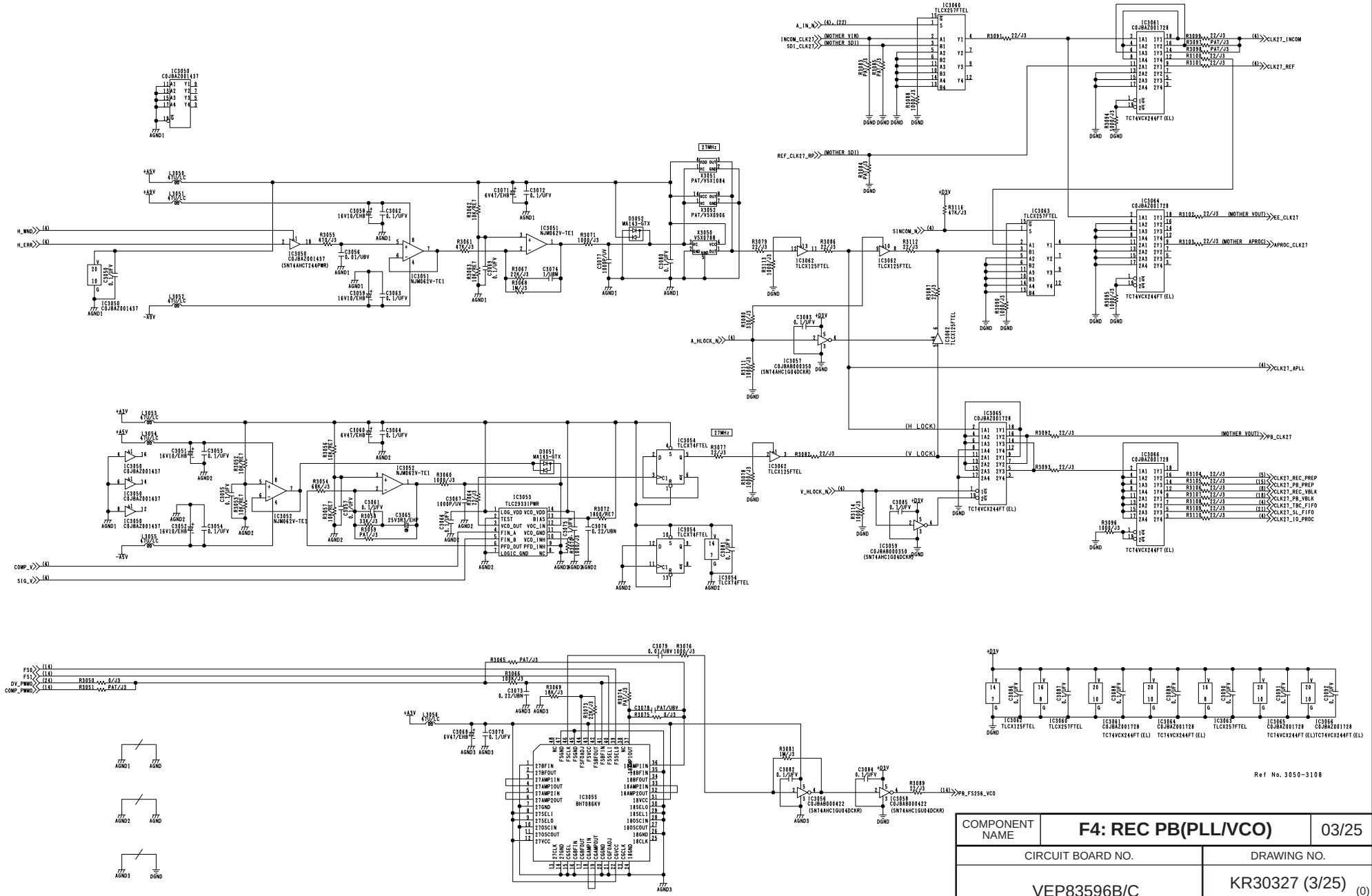
Ref No. 3001-3002

COMPONENT NAME	F4: REC PB(MOTHER)	01/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (1/25) (0)
		SCM042



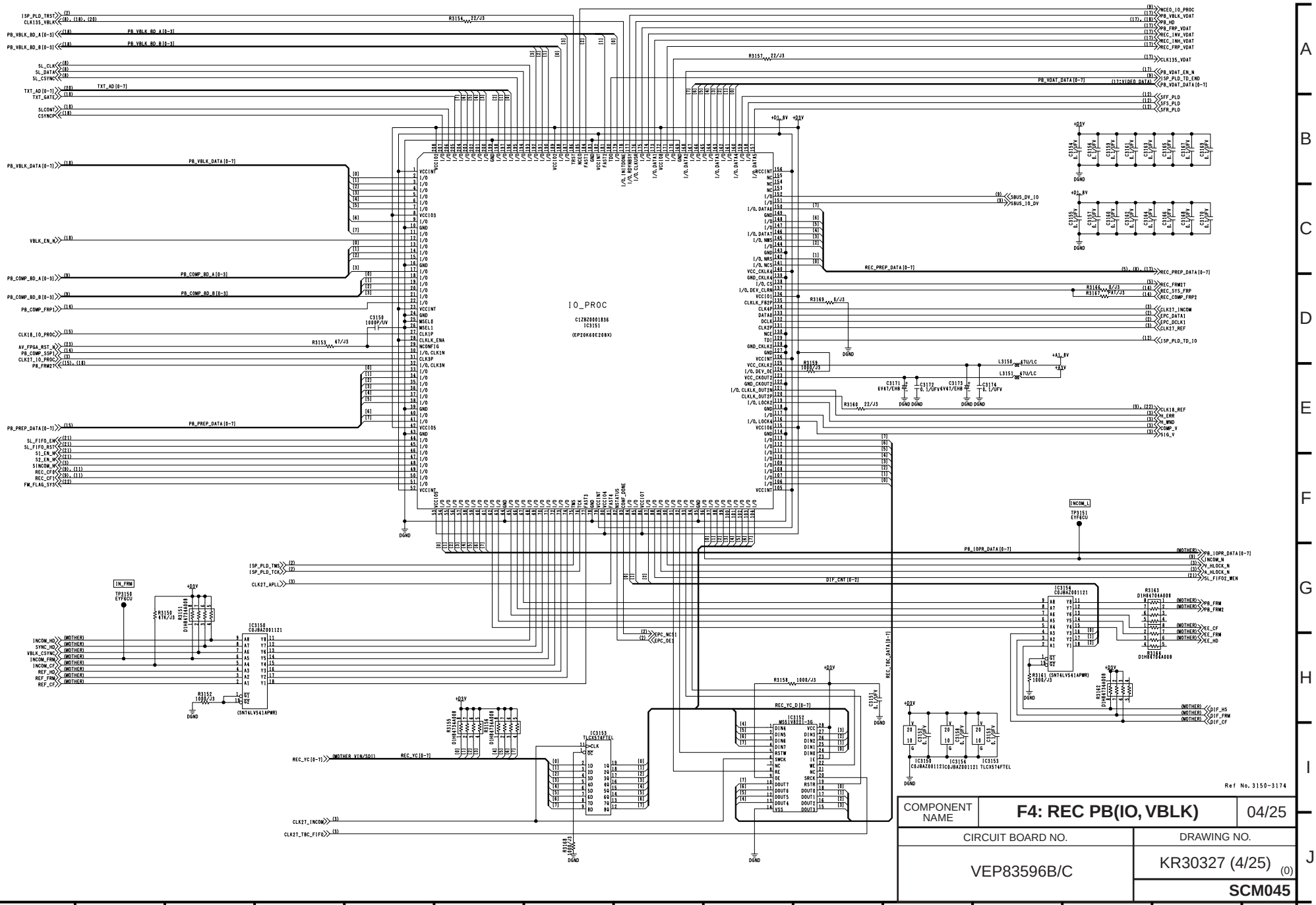
COMPONENT NAME	**F4: REC PB(POWER)**	02/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (2/25)-1 (0)	
	SCM043	

Ref No. 3010-3045

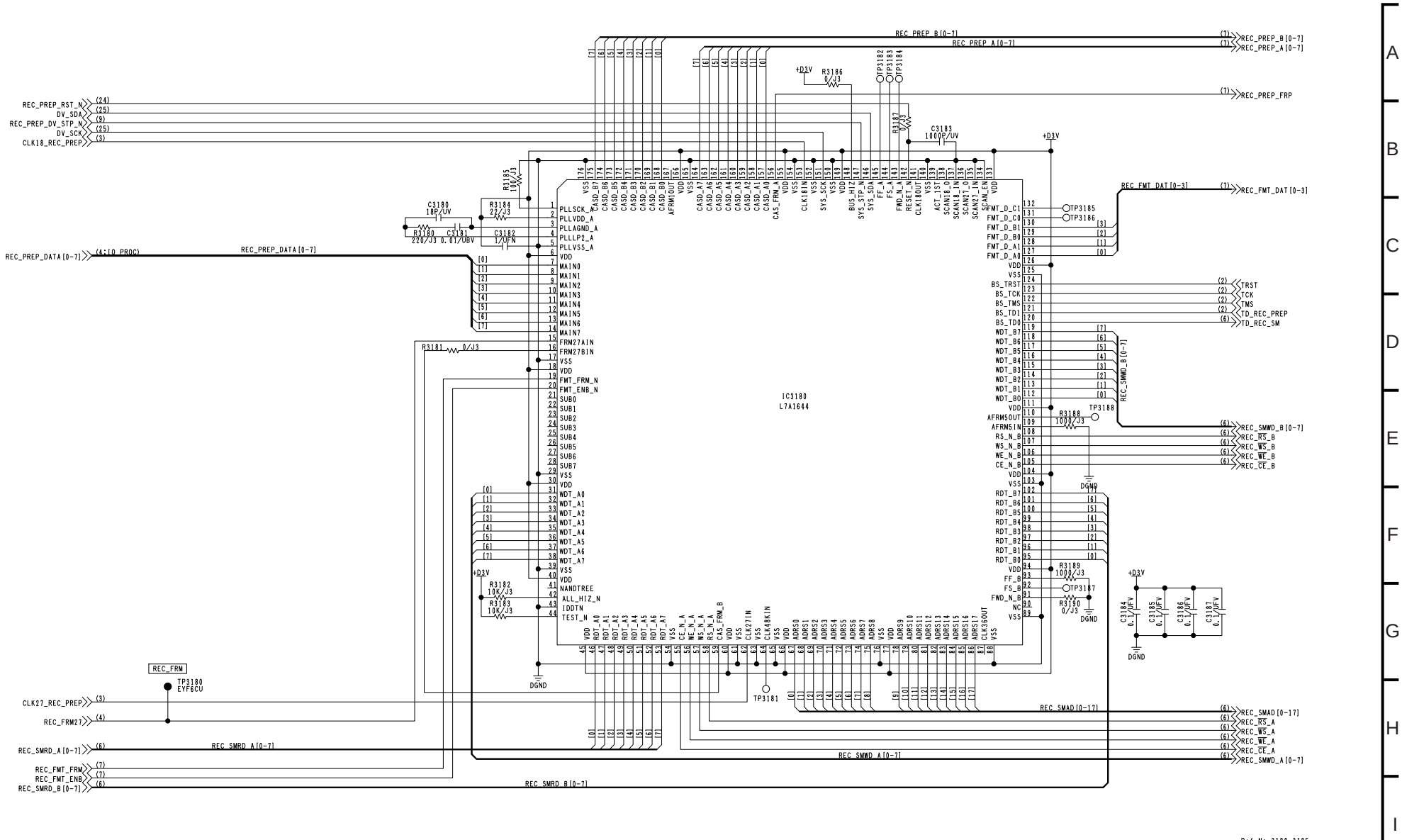


COMPONENT NAME	F4: REC PB(PLL/VCO)	03/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (3/25) (0)
		SCM044

Ref No. 3050-3108

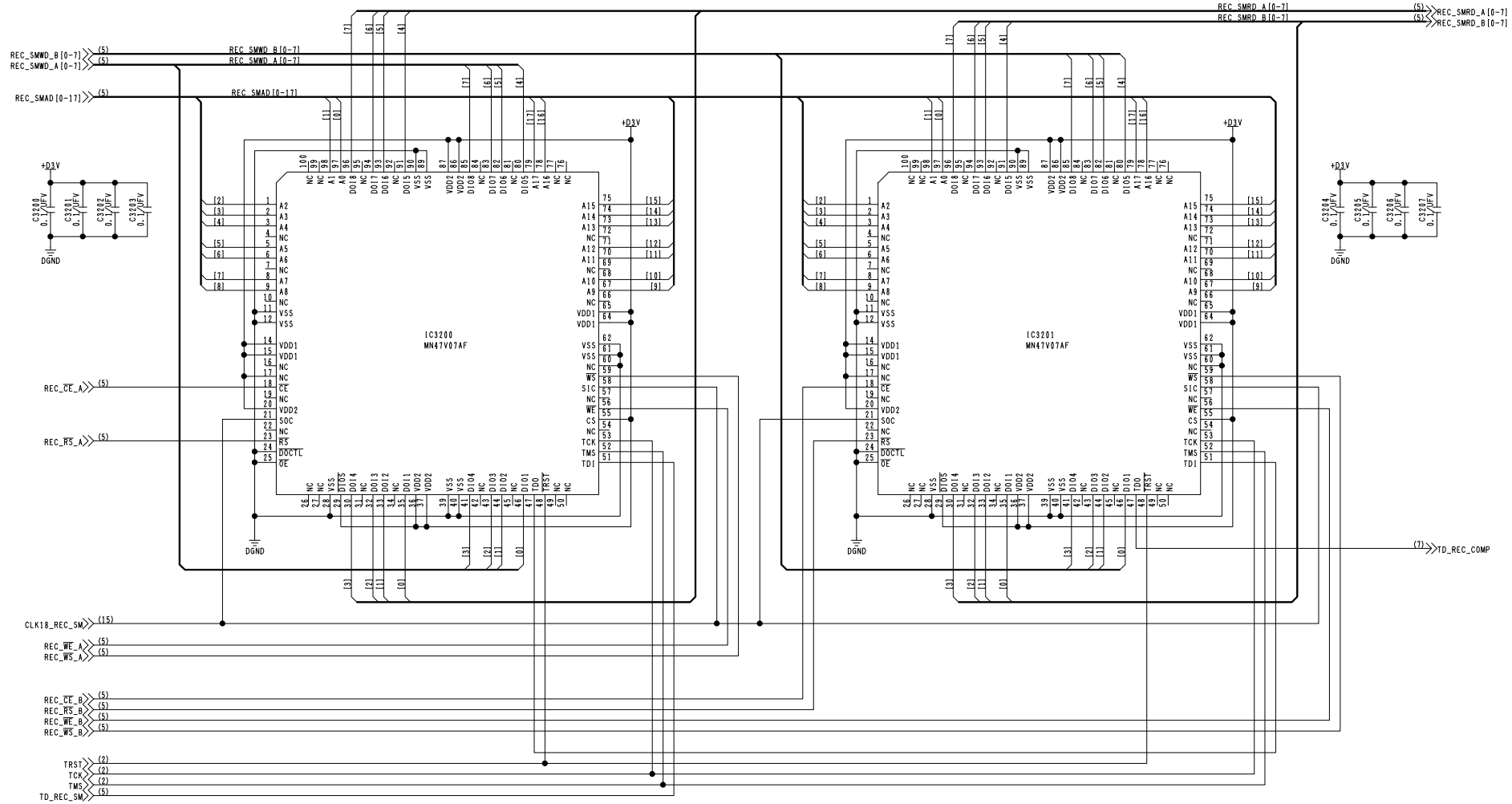


COMPONENT NAME	F4: REC PB(IO, VBLK)	04/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (4/25) (0)
		SCM045



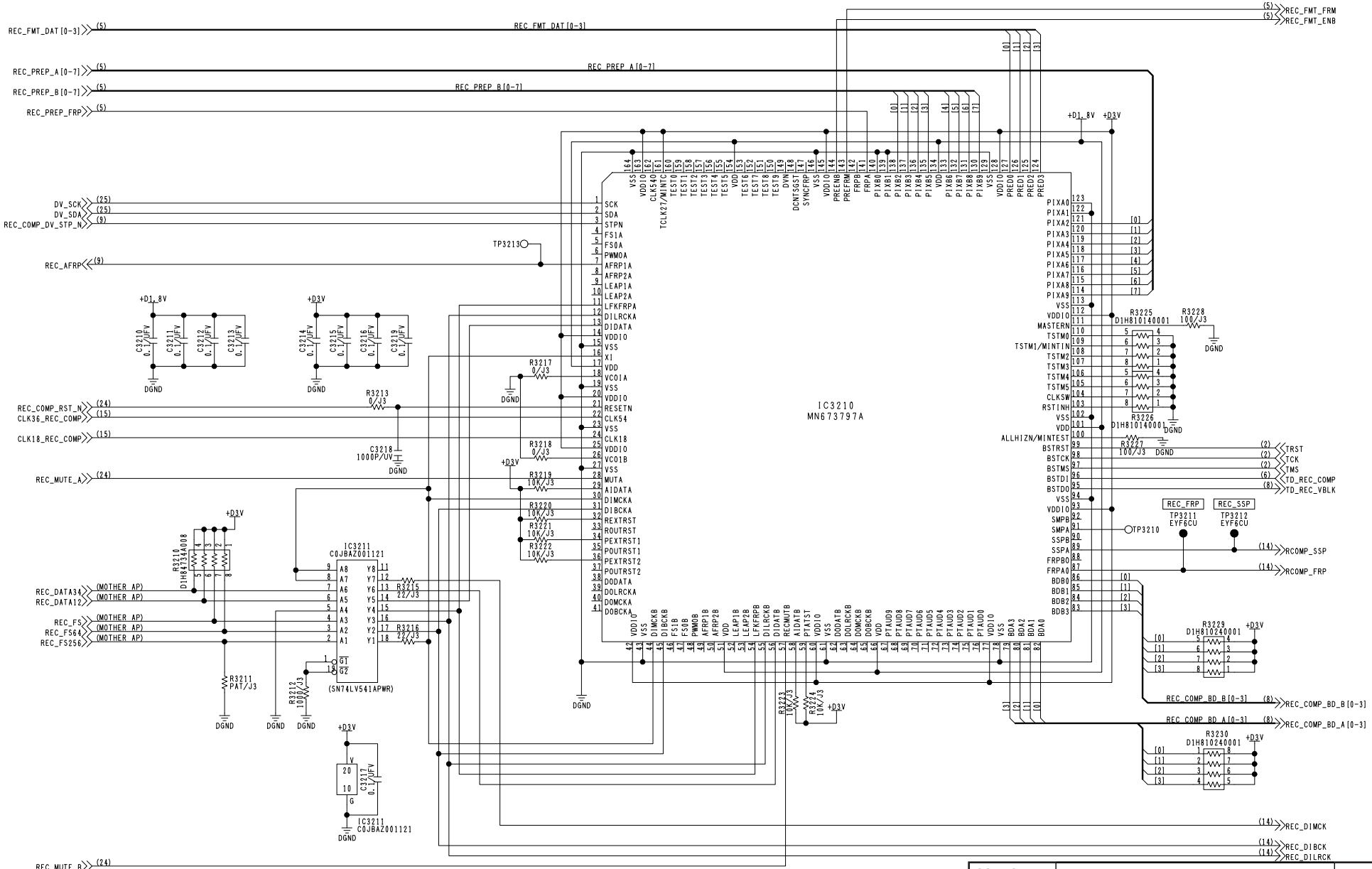
Ref No. 3180-3195

COMPONENT NAME	F4: REC PB(REC_PREP)	05/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (5/25) (0)
		SCM046



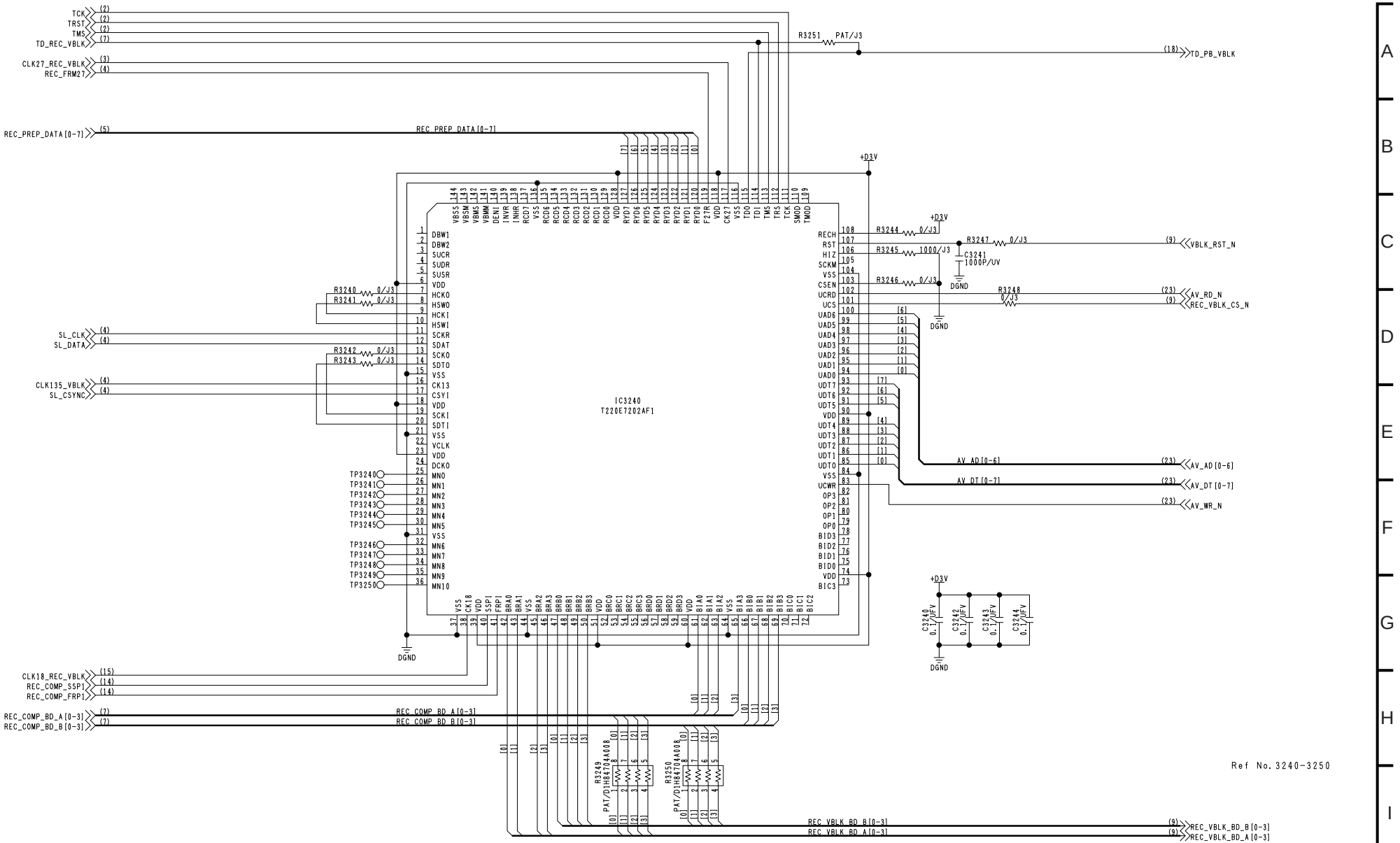
Ref No. 3200-3208

COMPONENT NAME	F4: REC PB(REC_SHUF_MEM)	06/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (6/25) (0)
		SCM047

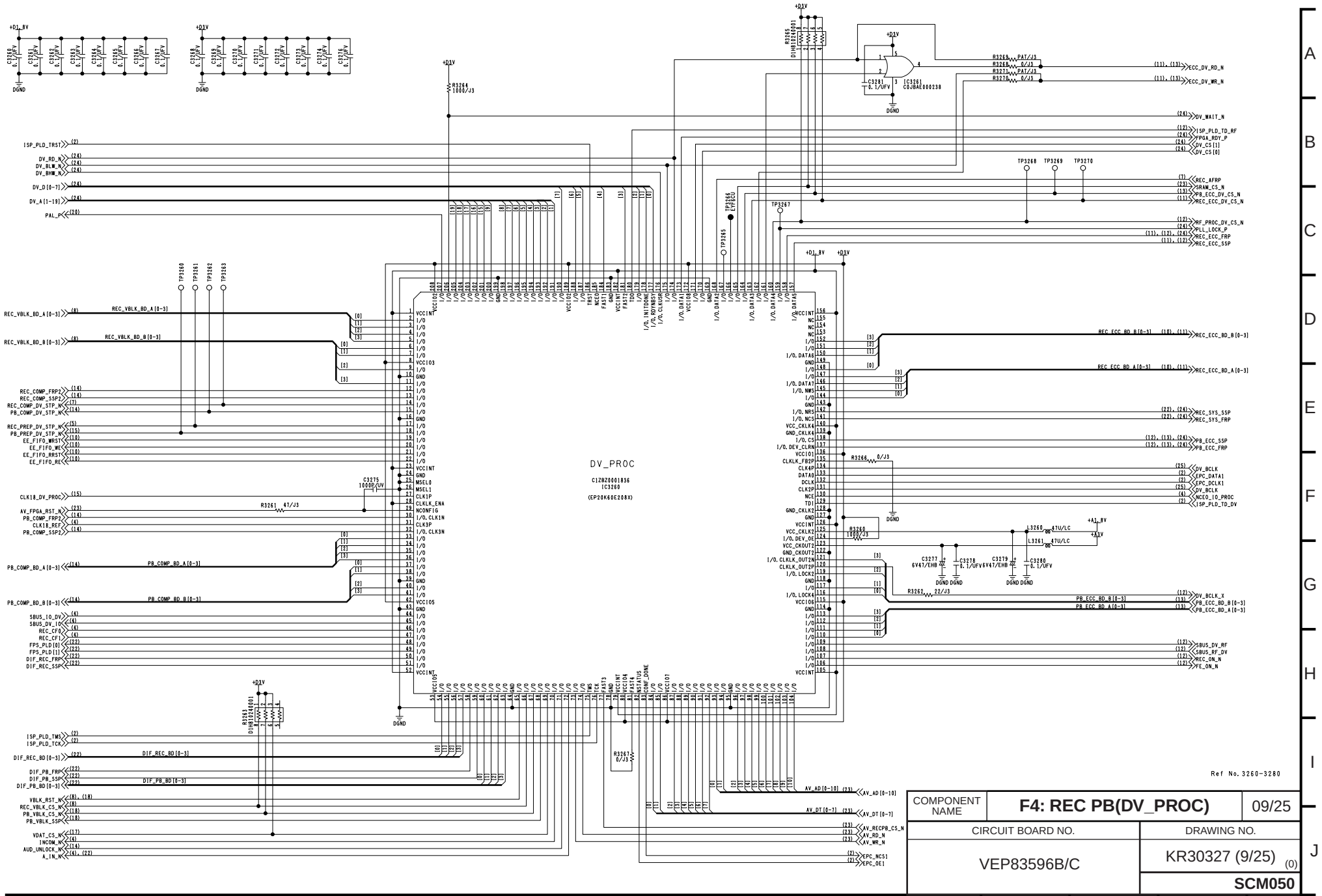


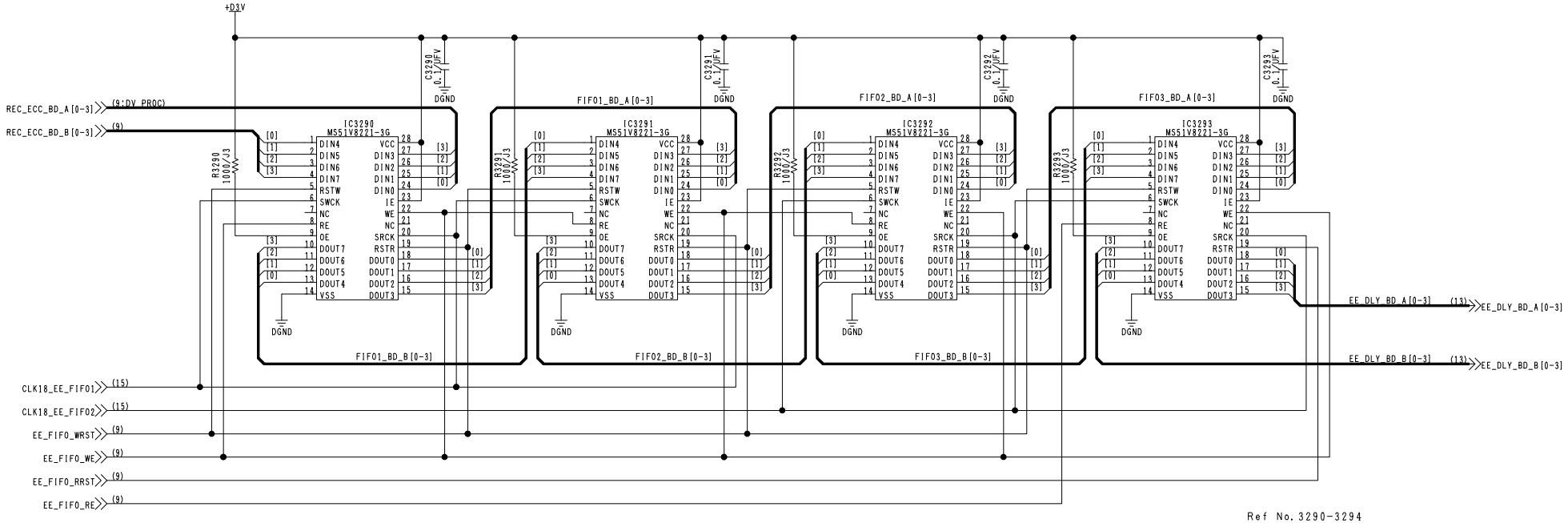
Ref No. 3210-3233

COMPONENT NAME	F4: REC PB(REC_COMP)	07/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (7/25) (0)
		SCM048



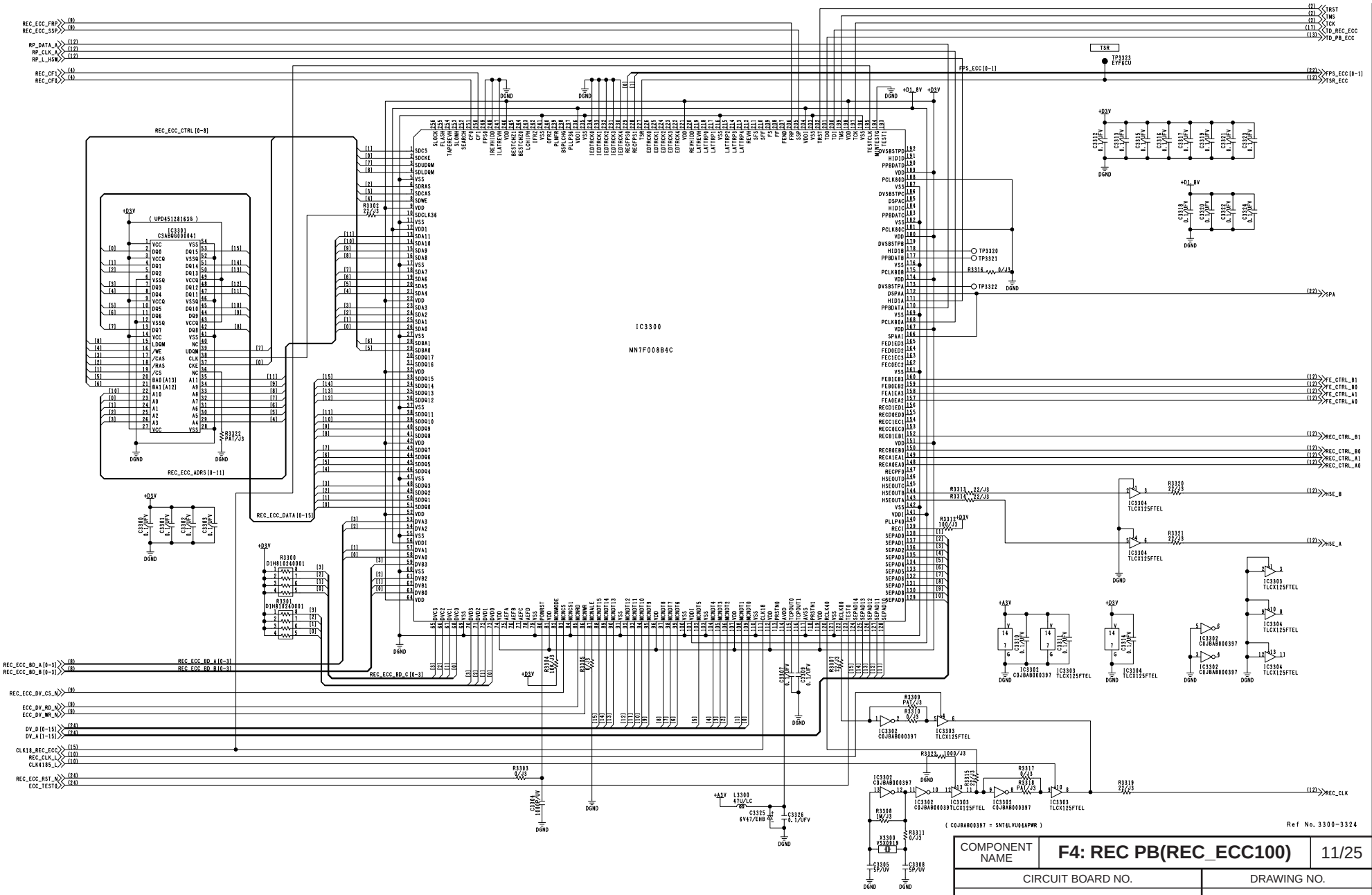
COMPONENT NAME	F4: REC PB(REC_VBLK)	08/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (8/25) (0)
		SCM049

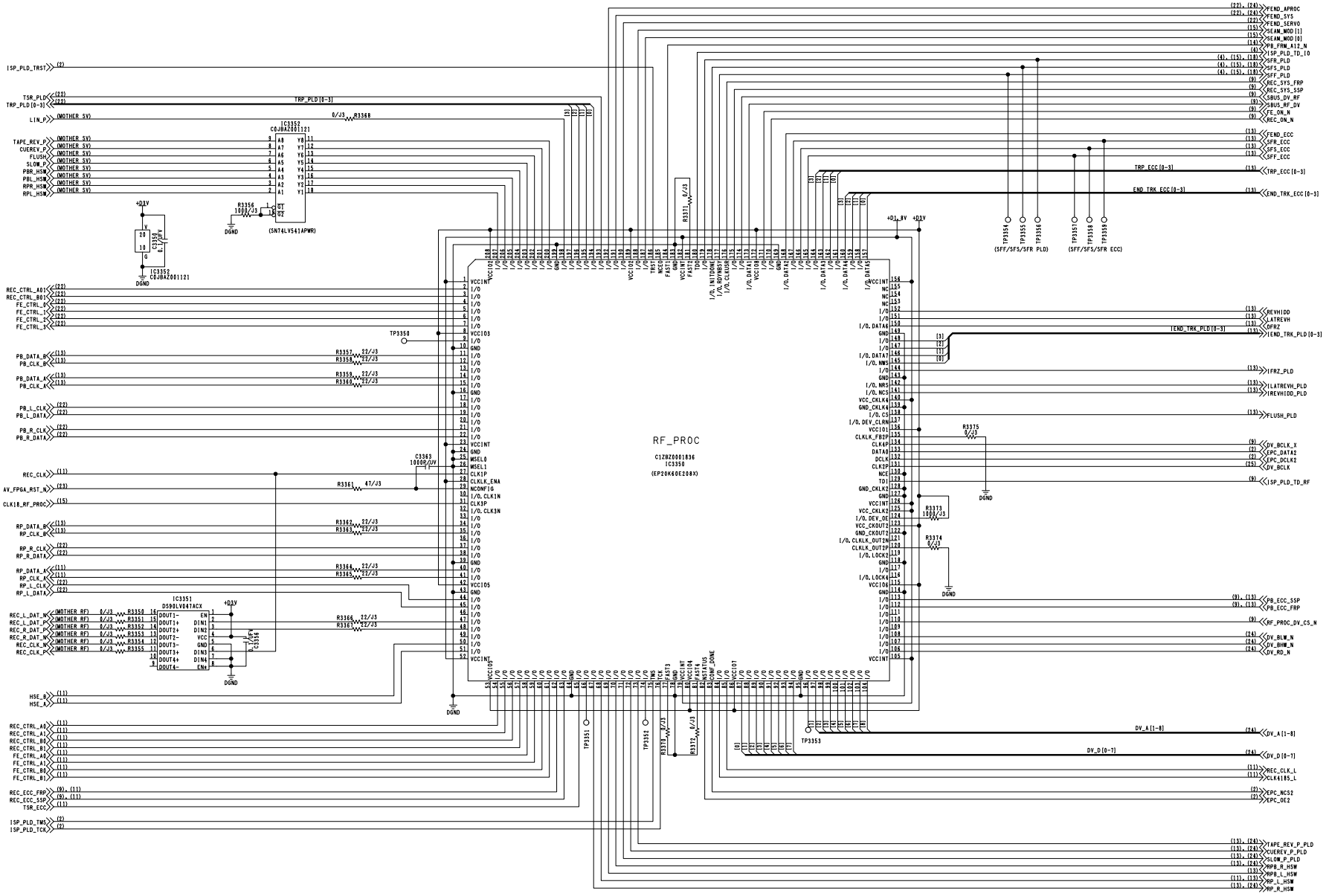

DV_PROC
C1ZBZ0001836
IC3260
(EP20K60E208X)
+D1.8V
+D3V
DGND
ISP_PLD_TRST
DV_RD_N
DV_BLW_N
DV_BHW_N
DV_D[0-7]
DV_A[1-19]
PAL_P
REC_VBLK_BD_A[0-3]
REC_VBLK_BD_B[0-3]
REC_COMP_FRP2
REC_COMP_SSP2
REC_COMP_DV_STP_N
PB_COMP_DV_STP_N
REC_PREP_DV_STP_N
PB_PREP_DV_STP_N
EE_FIFO_WRST
EE_FIFO_WE
EE_FIFO_RRST
EE_FIFO_RE
CLK18_DV_PROC
AV_FPGA_RST_N
PB_COMP_FRP2
CLK18_REF
PB_COMP_SSP2
PB_COMP_BD_A[0-3]
PB_COMP_BD_B[0-3]
SBUS_IO_DV
SBUS_DV_IO
REC_CF0
REC_CF1
FPS_PLD[0]
FPS_PLD[1]
DIF_REC_FRP
DIF_REC_SSP
ISP_PLD_TMS
ISP_PLD_TCK
DIF_REC_BD[0-3]
DIF_PB_FRP
DIF_PB_SSP
DIF_PB_BD[0-3]
VBLK_RST_N
REC_VBLK_CS_N
PB_VBLK_CS_N
PB_VBLK_SSP
VDAT_CS_N
INCOM_N
AUD_UNLOCK_N
A_IN_N
AV_AD[0-10]
AV_DT[0-7]
AV_RECPB_CS_N
AV_RD_N
AV_WR_N
EPC_NCS1
EPC_OE1
DV_WAIT_N
ISP_PLD_TD_RF
FPGA_RDY_P
DV_CS[1]
DV_CS[0]
REC_AFRP
SRAM_CS_N
PB_ECC_DV_CS_N
REC_ECC_DV_CS_N
RF_PROC_DV_CS_N
PLL_LOCK_P
REC_ECC_FRP
REC_ECC_SSP
ECC_DV_RD_N
ECC_DV_WR_N
REC_ECC_BD_B[0-3]
REC_ECC_BD_A[0-3]
REC_SYS_SSP
REC_SYS_FRP
PB_ECC_SSP
PB_ECC_FRP
DV_BCLK
EPC_DATA1
EPC_DCLK1
NCEO_IO_PROC
ISP_PLD_TD_DV
DV_BCLK_X
SBUS_DV_RF
SBUS_RF_DV
REC_ON_N
FE_ON_N
R3264 1000/J3
R3266 0/J3
R3267 0/J3
R3261 47/J3
R3262 22/J3
R3263 DIM81224001
R3265 DIM81024001
C3275 1000P/UV
C3277 6V47/EHB
C3278 0.1/UFV6V47/EHB
C3279
C3280 0.1/UFV
L3260 47U/LC
L3261 47U/LC
IC3261 C0JBAE000238
TP3260
TP3261
TP3262
TP3263
TP3265
TP3266 EHP6CU
TP3267
TP3268
TP3269
TP3270
Ref No. 3260-3280
COMPONENT NAME
F4: REC PB(DV_PROC)
09/25
CIRCUIT BOARD NO.
VEP83596B/C
DRAWING NO.
KR30327 (9/25) (0)
SCM050



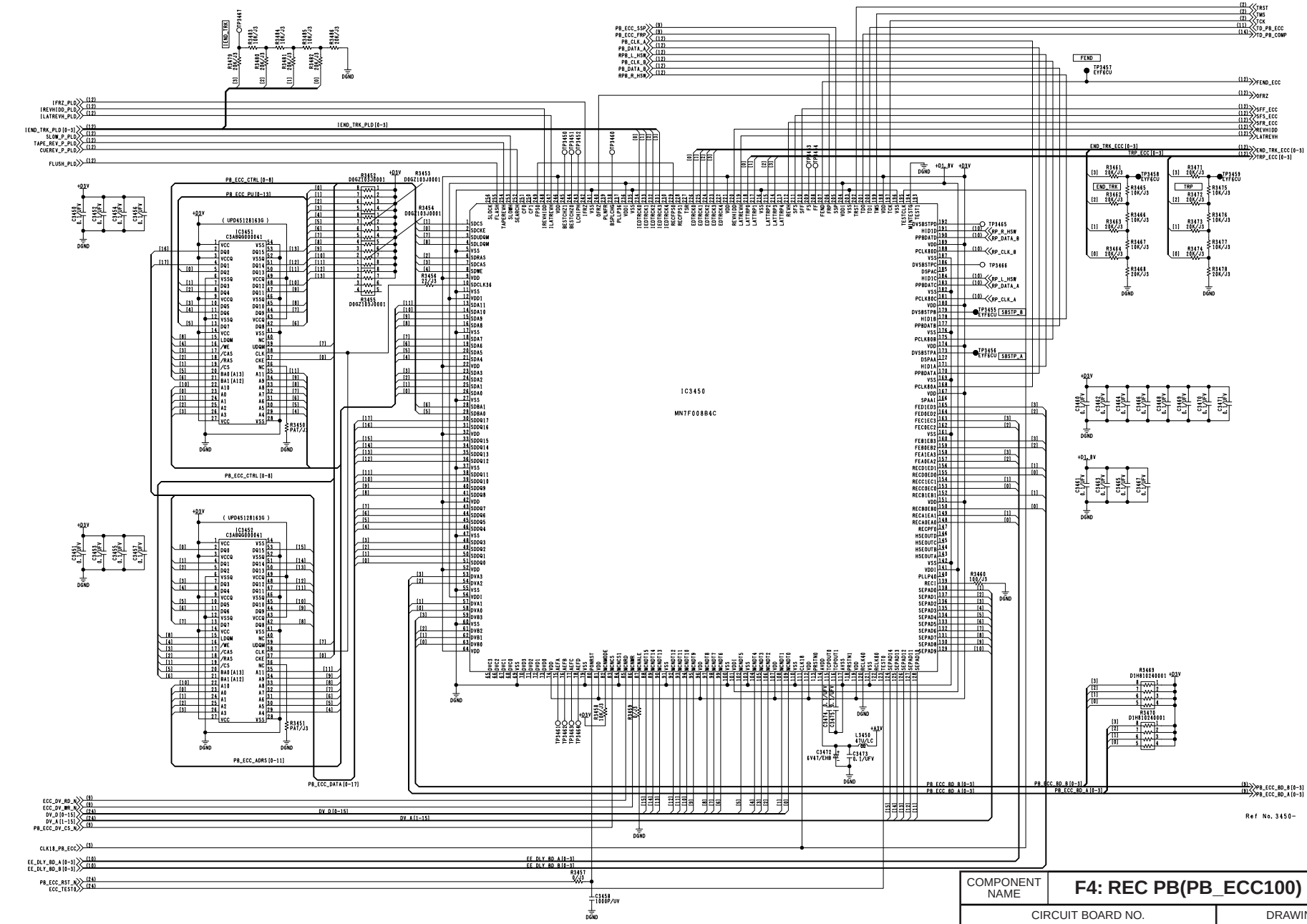
Ref No. 3290-3294

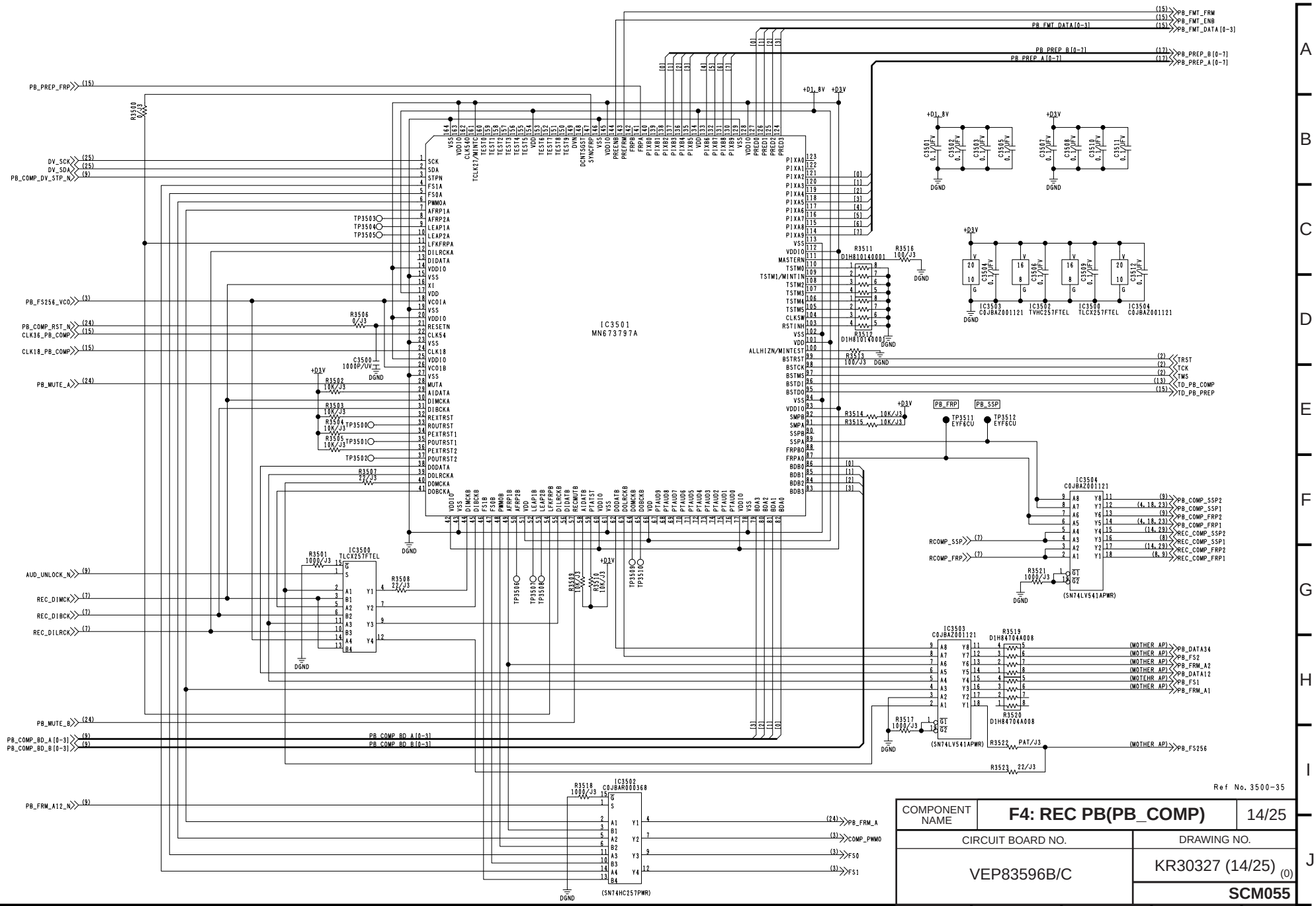
COMPONENT NAME	F4: REC PB(DVBUS_EE_FIFO)	10/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (10/25) (0)
		SCM051

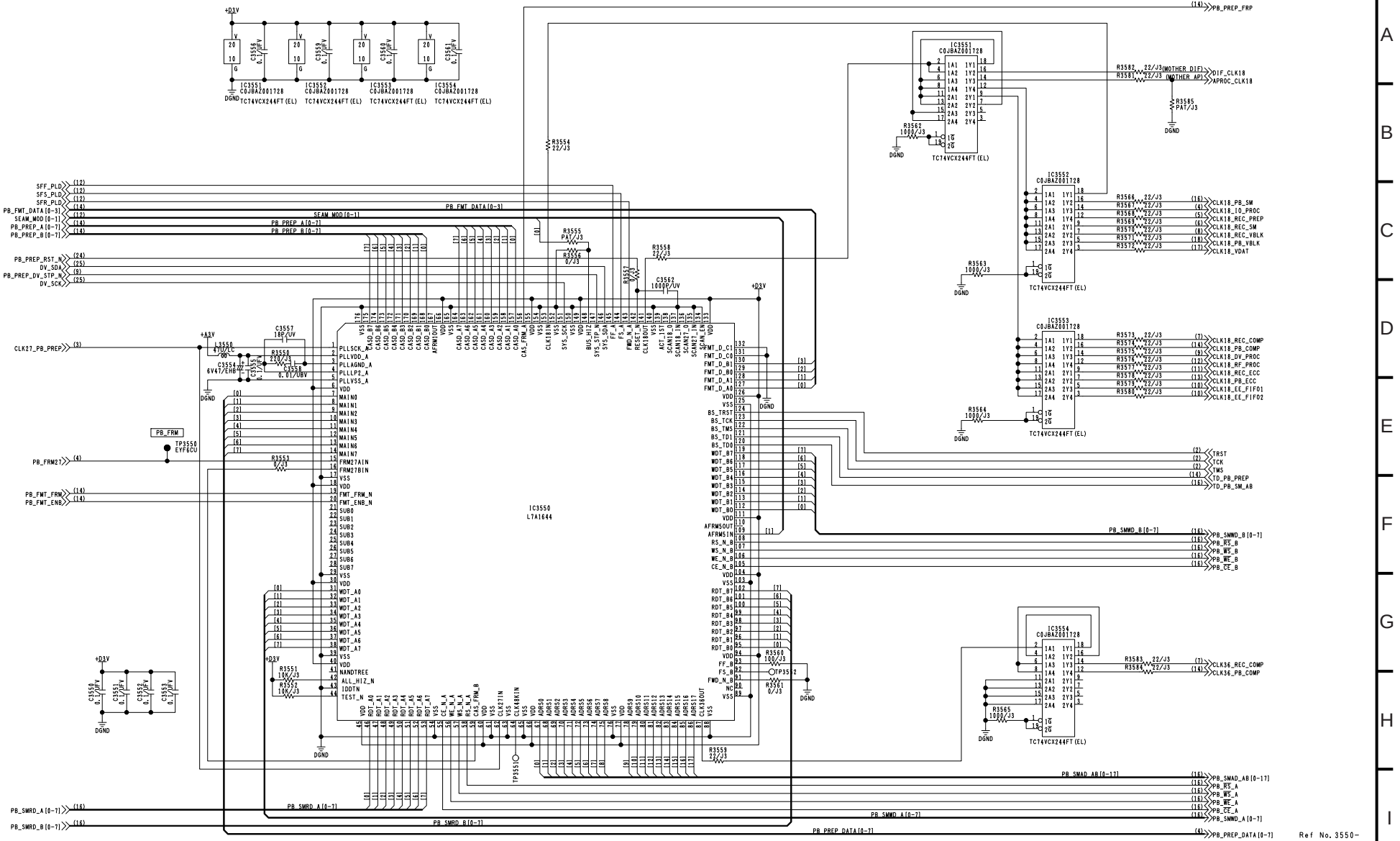

IC3300
MN7F008B4C
REC_ECC_CTRL[0-8]
REC_ECC_ADRS[0-11]
REC_ECC_DATA[0-15]
REC_ECC_BD_A[0-3]
REC_ECC_BD_B[0-3]
REC_ECC_BD_C[0-3]
REC_ECC_FRP
REC_ECC_SSP
RP_DATA_A
RP_CLK_A
RP_L_HSW
REC_CF1
REC_CF4
REC_ECC_DV_CS_N
ECC_DV_RD_N
ECC_DV_WR_N
DV_D[0-15]
DV_A[1-15]
CLK18_REC_ECC
REC_CLK_L
CLK4185_L
REC_ECC_RST_N
ECC_TEST4
FPS_ECC[0-1]
TSR_ECC
TRST
TMS
TCK
TD_REC_ECC
TD_PB_ECC
SPA
REC_CTRL_B1
REC_CTRL_B0
REC_CTRL_A1
REC_CTRL_A0
HSE_B
HSE_A
REC_CLK
TSR
TP3323
EVF6CU
TP3320
TP3321
TP3322
IC3301
C3ABGG000041
(UPD45128163G)
IC3302
C0JBAB000397
IC3303
TLCX125FTEL
IC3304
TLCX125FTEL
(C0JBAB00397 = SN74LVU04APWR)
Ref No. 3300-3324
COMPONENT NAME
F4: REC PB(REC_ECC100)
11/25
CIRCUIT BOARD NO.
VEP83596B/C
DRAWING NO.
KR30327 (11/25) (0)
SCM052



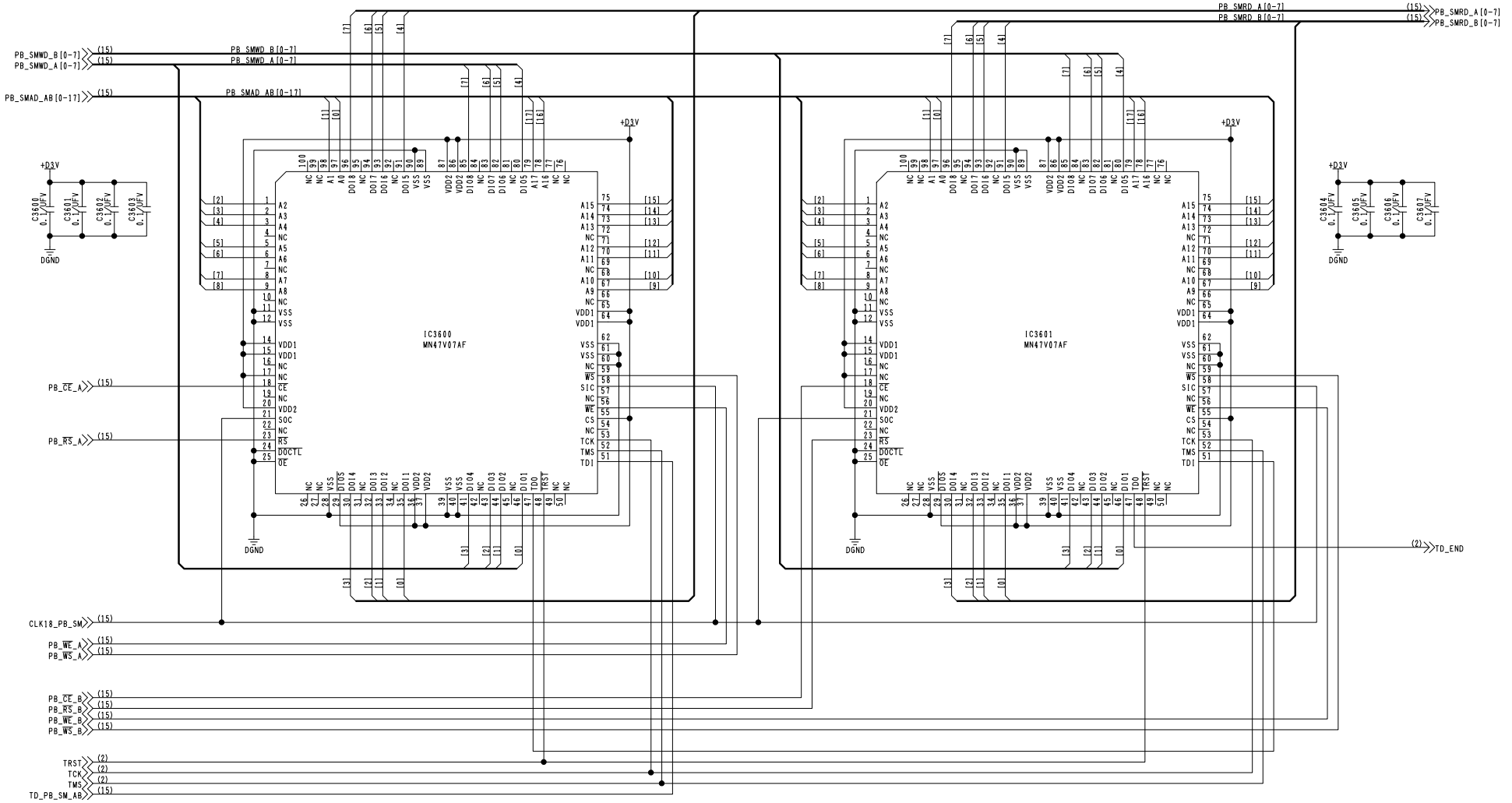
COMPONENT NAME	F4: REC PB(RF_PROC)	12/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (12/25) (0)
		SCM053


IC3450
MN7F008B4C
(UPD45128163G)
PB_ECC_CTRL [0-8]
PB_ECC_ADRS [0-11]
PB_ECC_DATA [0-17]
END_TRK_PLD [0-3]
END_TRK_ECC [0-3]
TRP_ECC [0-3]
DV_D [0-15]
DV_A [1-15]
EE_DLY_BD_A [0-3]
EE_DLY_BD_B [0-3]
PB_ECC_BD_B [0-3]
PB_ECC_BD_A [0-3]
Ref No. 3450-
COMPONENT NAME
F4: REC PB(PB_ECC100)
13/25
CIRCUIT BOARD NO.
VEP83596B/C
DRAWING NO.
KR30327 (13/25) (0)
SCM054


IC3501
MN673797A
IC3500
TLCX257FTEL
IC3502
C0JBAR000368
(SN74HC257PWR)
IC3503
C0JBAZ001121
IC3504
C0JBAZ001121
IC3500
TLCX257FTEL
IC3502
TVHC257FTEL
IC3504
C0JBAZ001121
(SN74LV541APWR)
PB_FMT_FRM
PB_FMT_ENB
PB_FMT_DATA[0-3]
PB_PREP_B[0-7]
PB_PREP_A[0-7]
PB_PREP_FRP
DV_SCK
DV_SDA
PB_COMP_DV_STP_N
PB_FS256_VCO
PB_COMP_RST_N
CLK36_PB_COMP
CLK18_PB_COMP
PB_MUTE_A
AUD_UNLOCK_N
REC_DIMCK
REC_DIBCK
REC_DILRCK
PB_MUTE_B
PB_COMP_BD_A[0-3]
PB_COMP_BD_B[0-3]
PB_FRM_A12_N
PB_FRP
PB_SSP
RCOMP_SSP
RCOMP_FRP
TRST
TCK
TMS
TD_PB_COMP
TD_PB_PREP
PB_COMP_SSP2
PB_COMP_SSP1
PB_COMP_FRP2
PB_COMP_FRP1
REC_COMP_SSP2
REC_COMP_SSP1
REC_COMP_FRP2
REC_COMP_FRP1
PB_DATA34
PB_FS2
PB_FRM_A2
PB_DATA12
PB_FS1
PB_FRM_A1
PB_FS256
PB_FRM_A
COMP_PWMO
FS0
FS1
+D1.8V
+D3V
DGND
Ref No. 3500-35
COMPONENT NAME
F4: REC PB(PB_COMP)
14/25
CIRCUIT BOARD NO.
VEP83596B/C
DRAWING NO.
KR30327 (14/25) (0)
SCM055

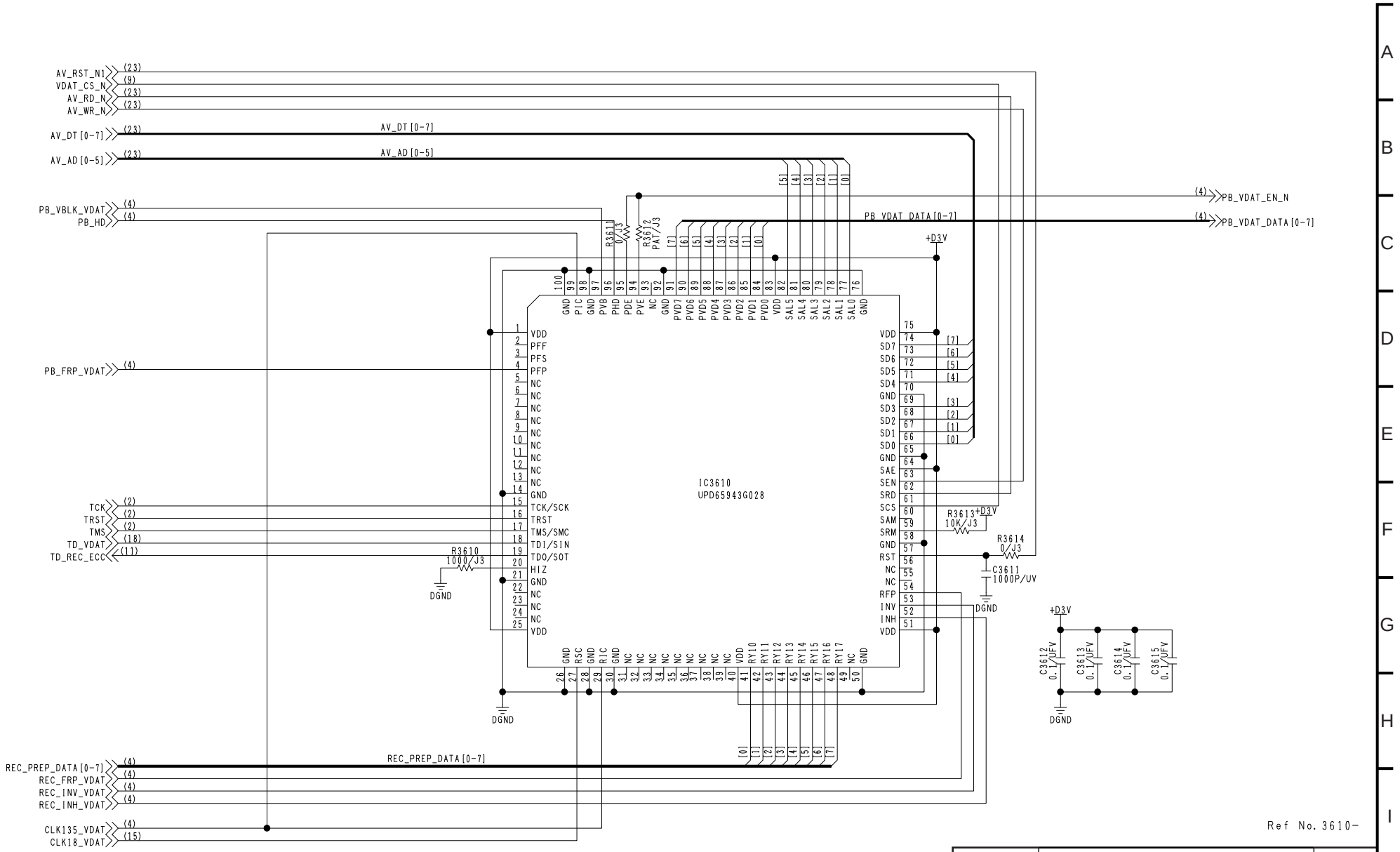


COMPONENT NAME	**F4: REC PB(PB_PREP)**	15/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (15/25) (0)	
	SCM056	



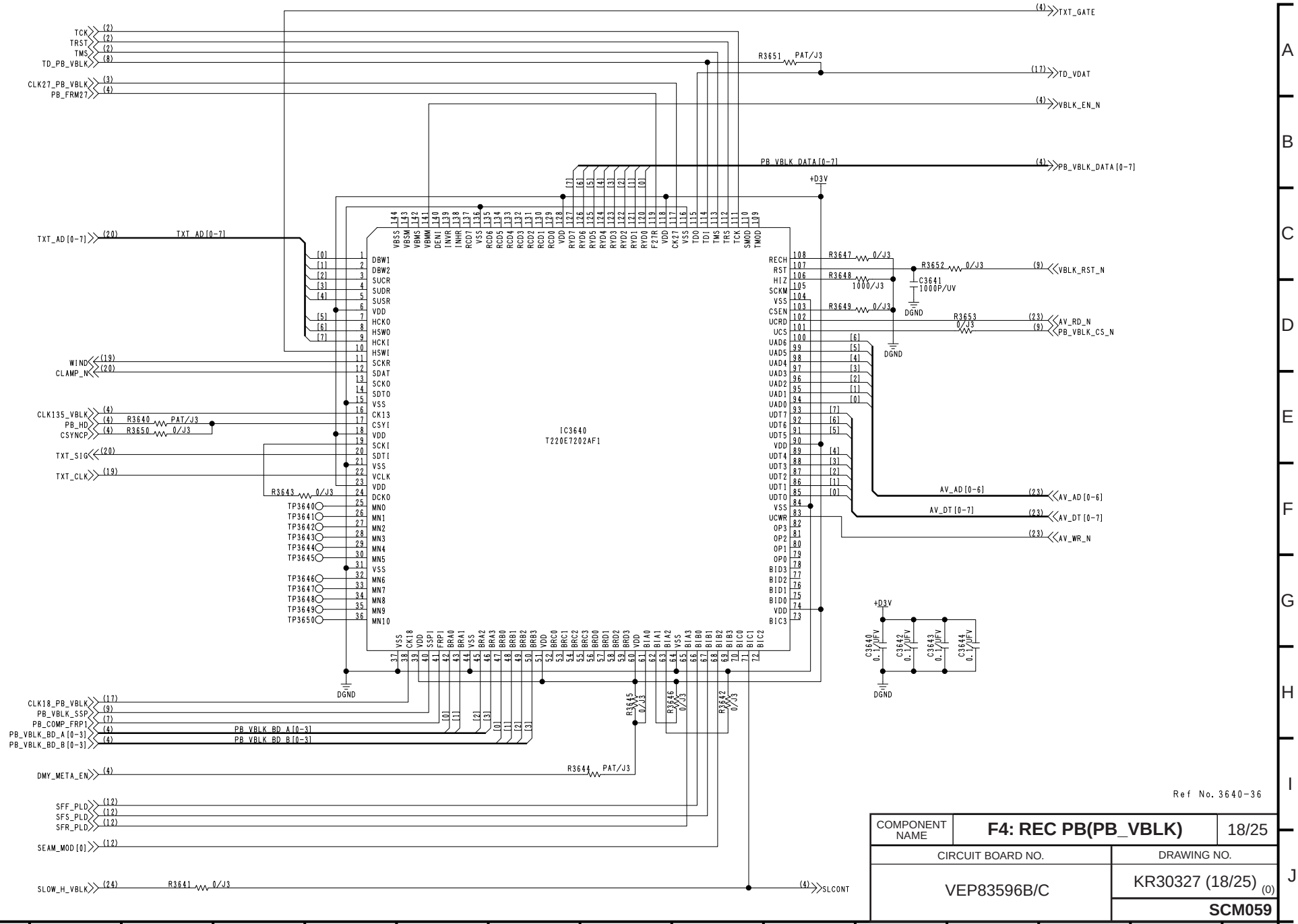
Ref No. 3600-3

COMPONENT NAME	F4: REC PB(PB_SHUF_MEM)	16/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (16/25) (0)
		SCM057



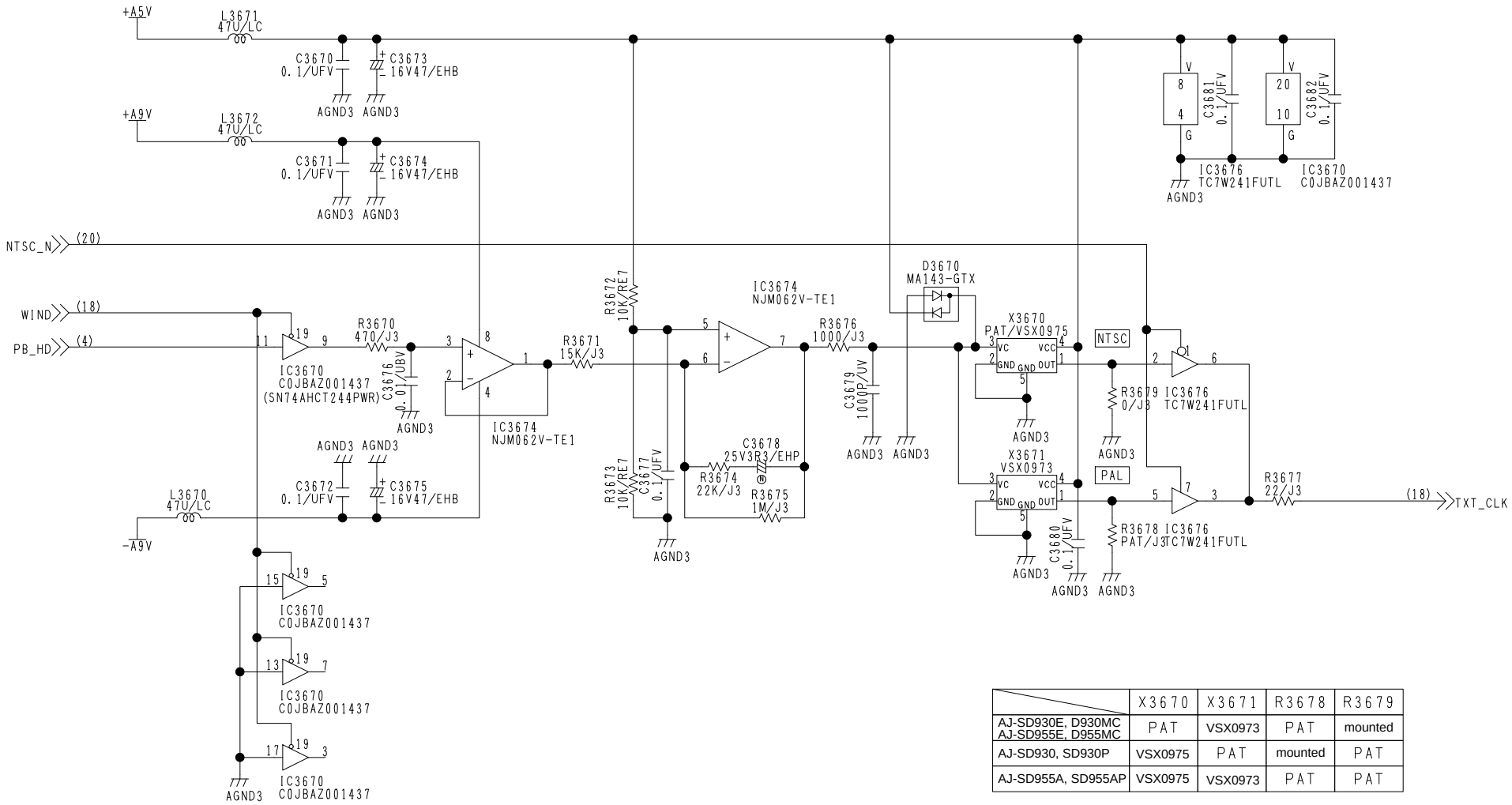
Ref No. 3610-

COMPONENT NAME	F4: REC PB(VIDEO_DATA)	17/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (17/25) (0)
		SCM058



Ref No. 3640-36

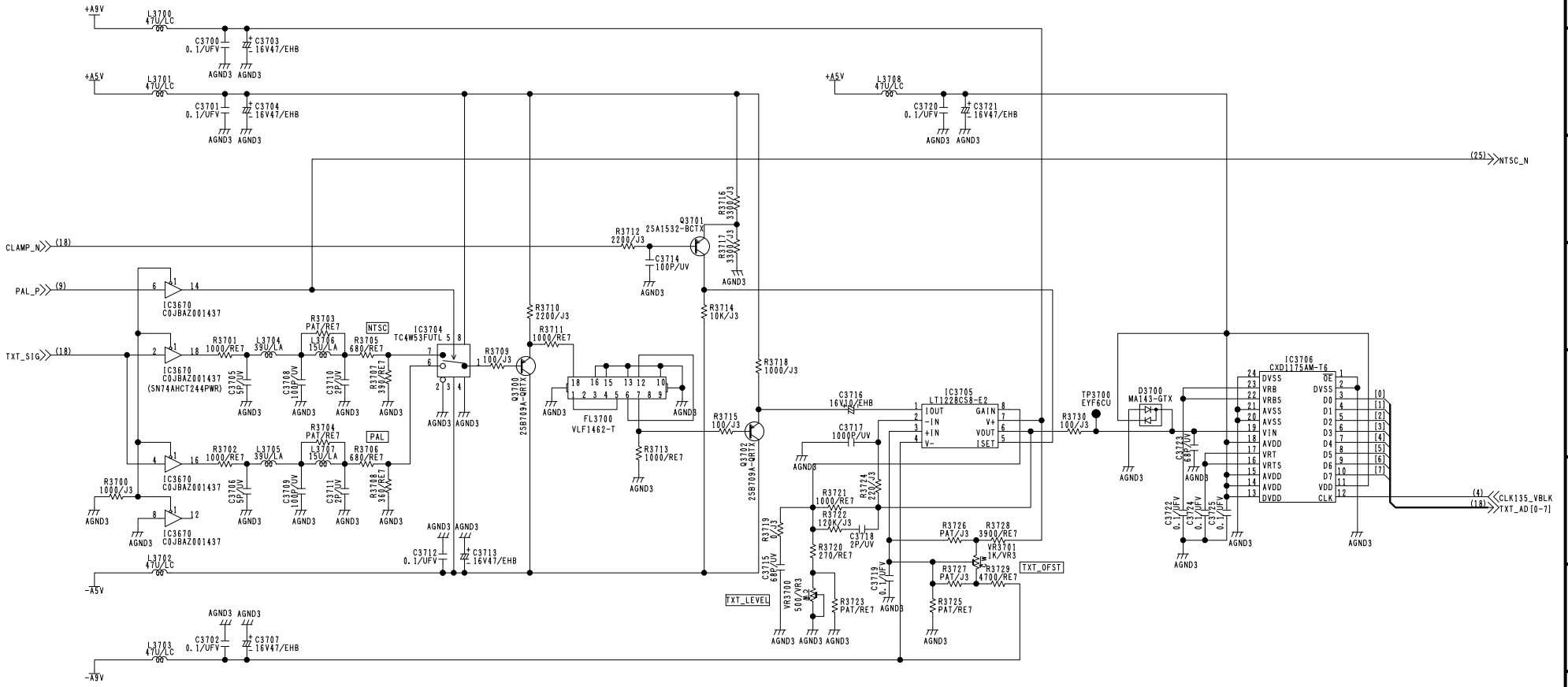
COMPONENT NAME	F4: REC PB(PB_VBLK)	18/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (18/25) (0)
		SCM059



	X3670	X3671	R3678	R3679
AJ-SD930E, D930MC AJ-SD955E, D955MC	PAT	VSX0973	PAT	mounted
AJ-SD930, SD930P	VSX0975	PAT	mounted	PAT
AJ-SD955A, SD955AP	VSX0975	VSX0973	PAT	PAT

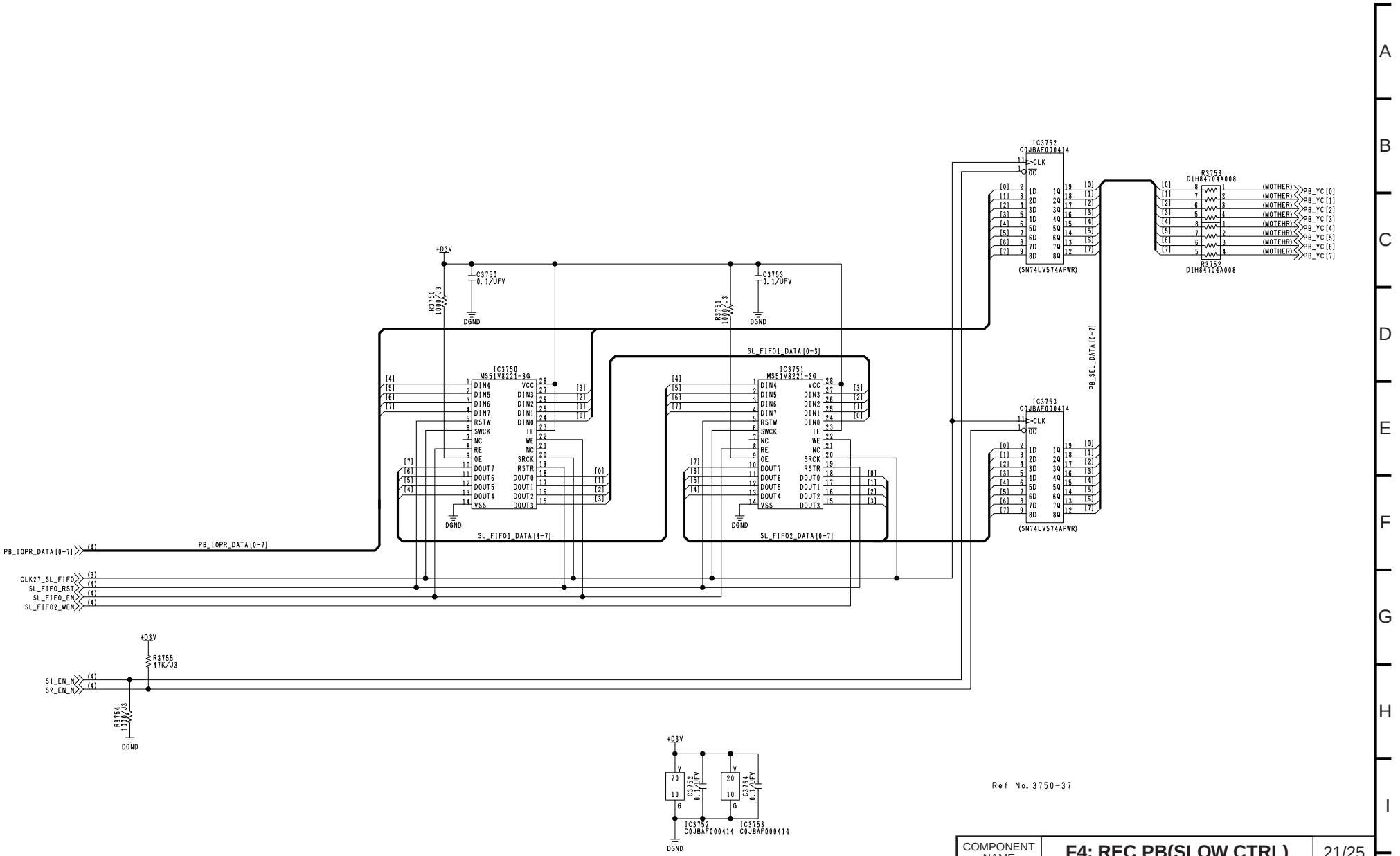
Ref No. 3670-3

COMPONENT NAME	F4: REC PB(PB_PLL)	19/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (19/25) (0)
		SCM060



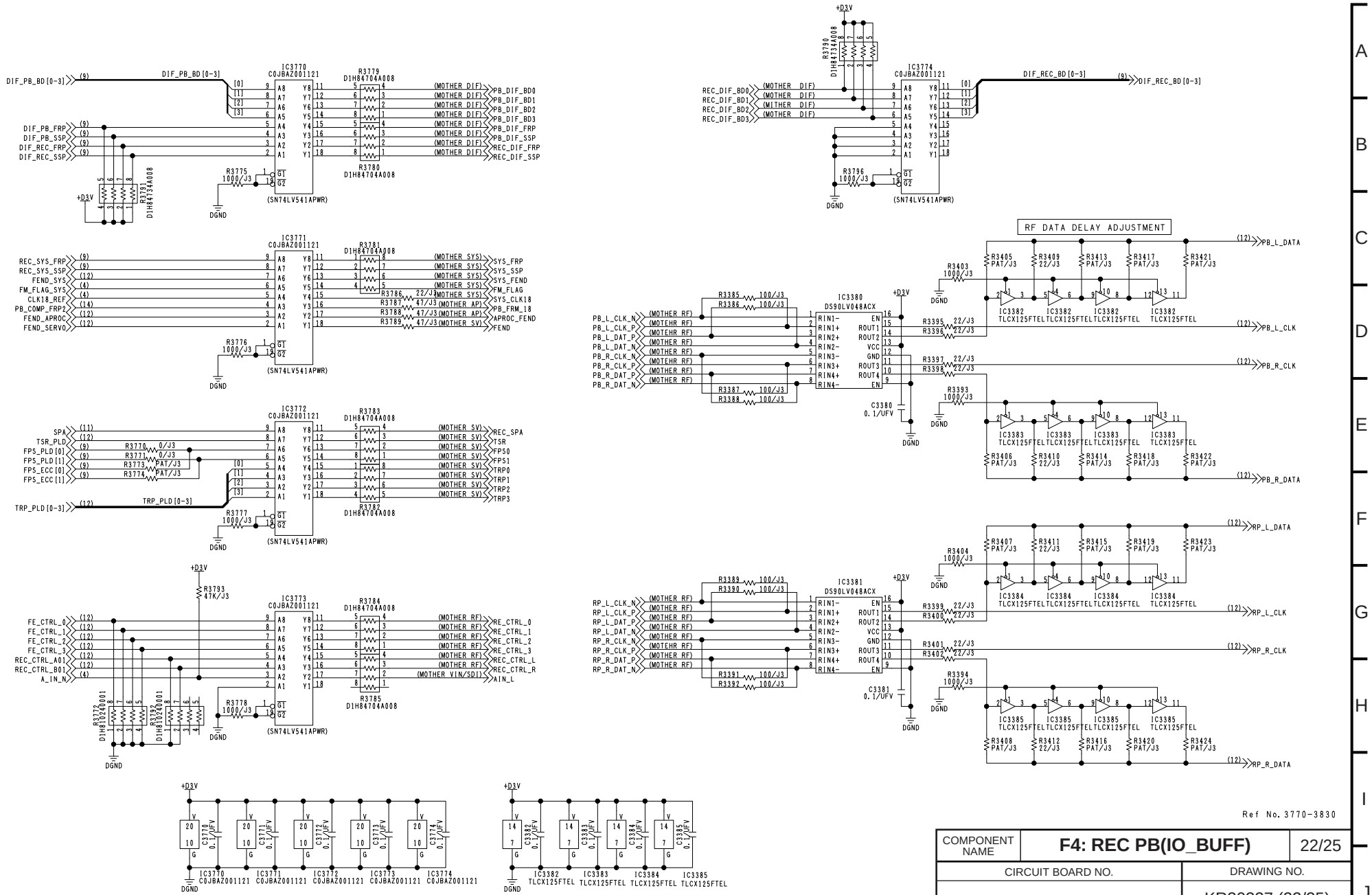
Ref No. 3700-

COMPONENT NAME	F4: REC PB(TEL_TXT)	20/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (20/25) (0)
		SCM061



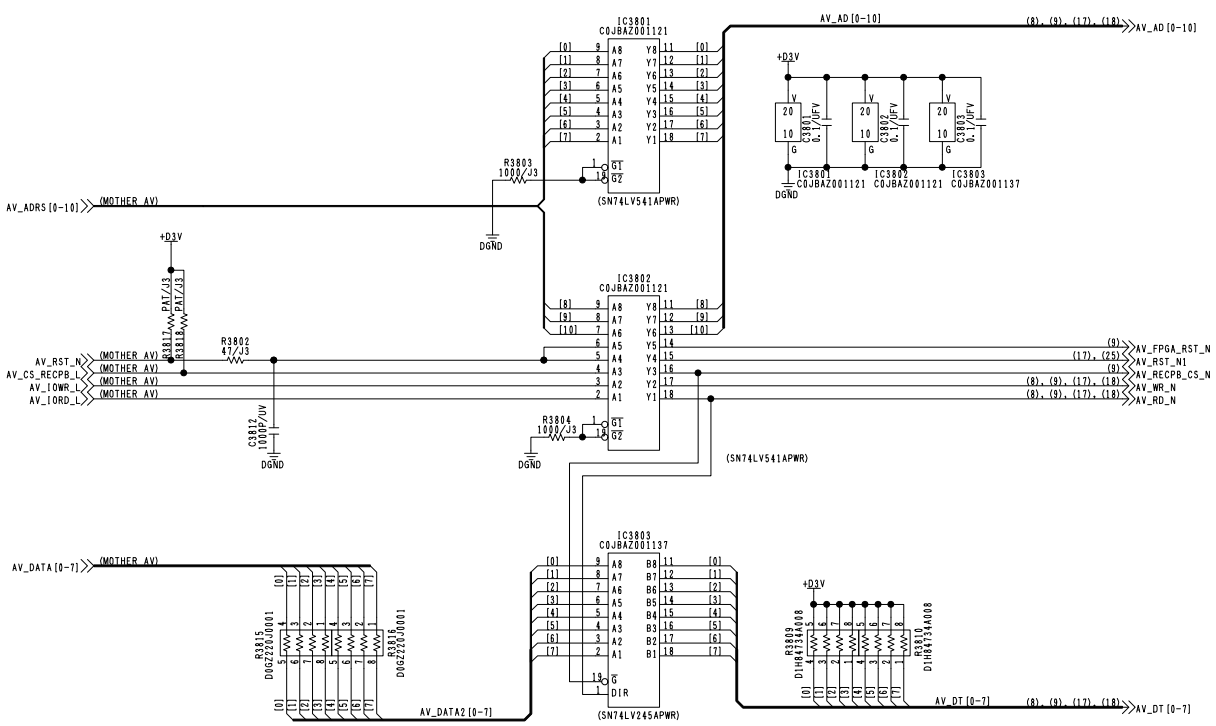
Ref No. 3750-37

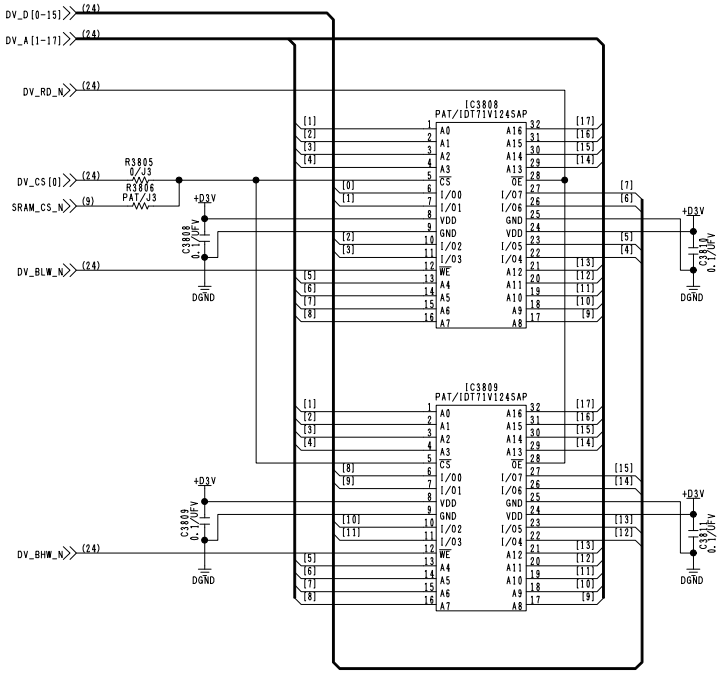
COMPONENT NAME	F4: REC PB(SLOW CTRL)	21/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (21/25) (0)
		SCM062



Ref No. 3770-3830

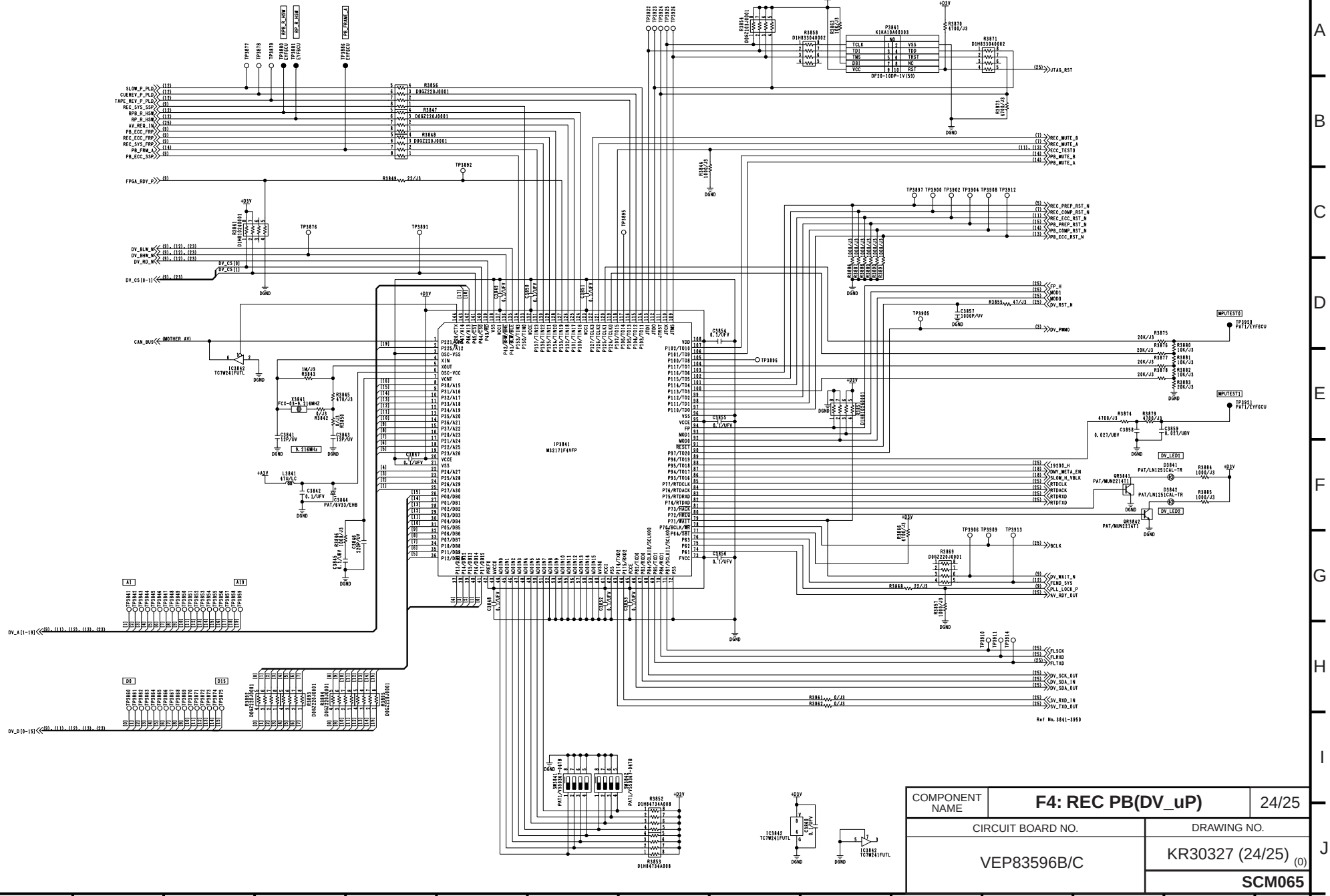
COMPONENT NAME	F4: REC PB(IO_BUFF)	22/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (22/25) (0)
		SCM063



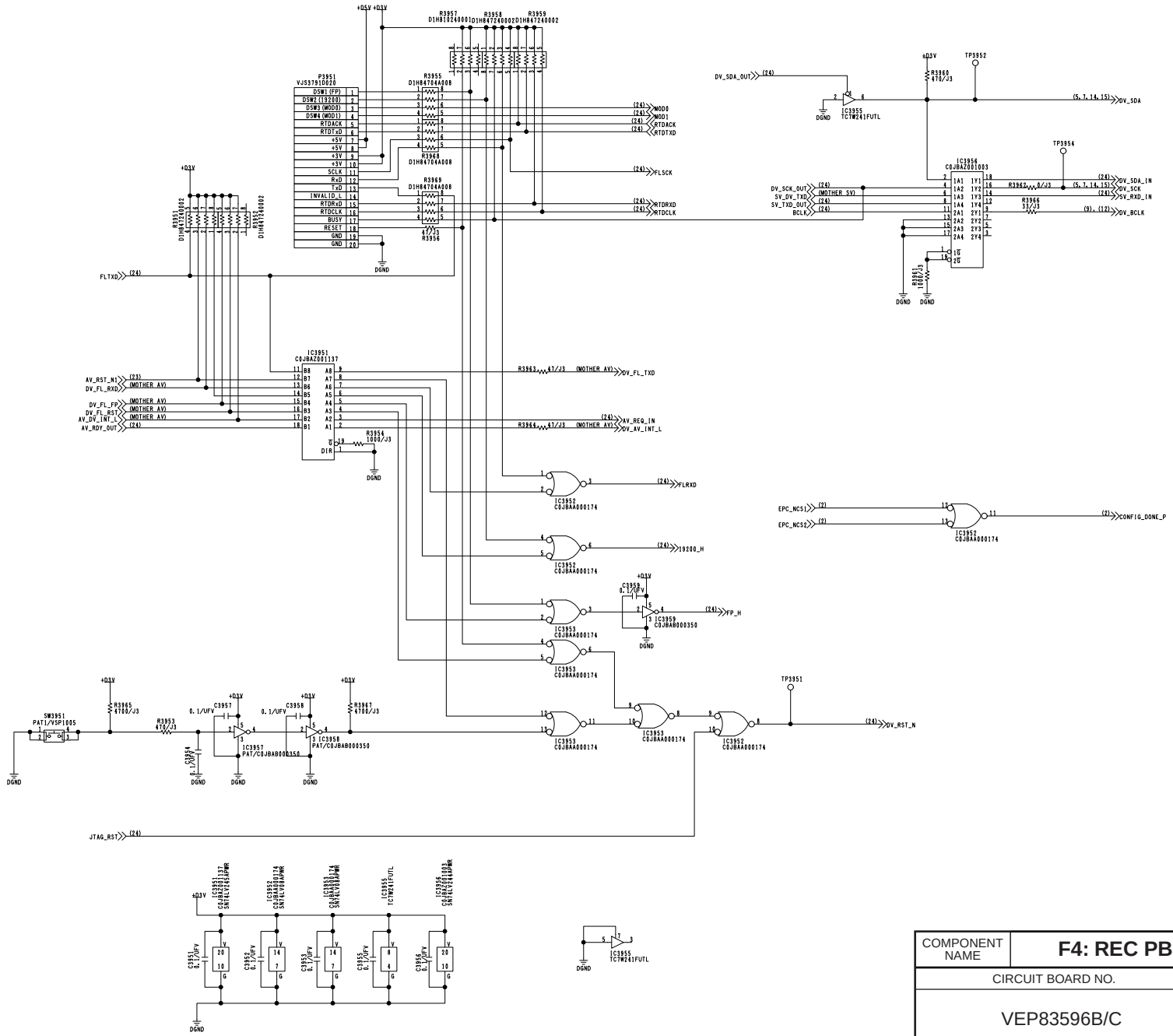


Ref No. 3801-3840

COMPONENT NAME	F4: REC PB(MPU_BUS_I/F)	23/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (23/25) (0)
		SCM064

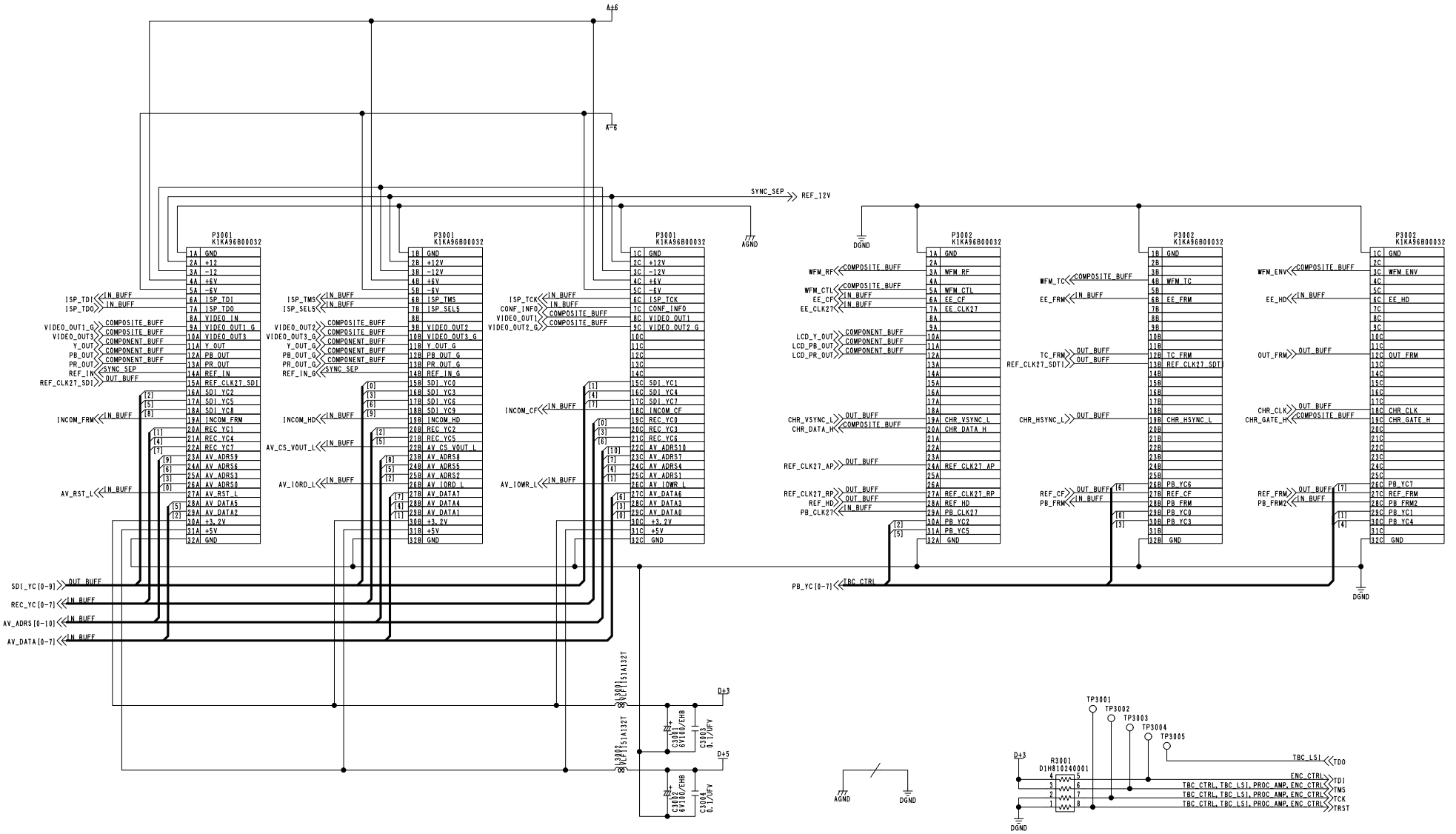


COMPONENT NAME	F4: REC PB(DV_uP)	24/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (24/25) (0)
		SCM065

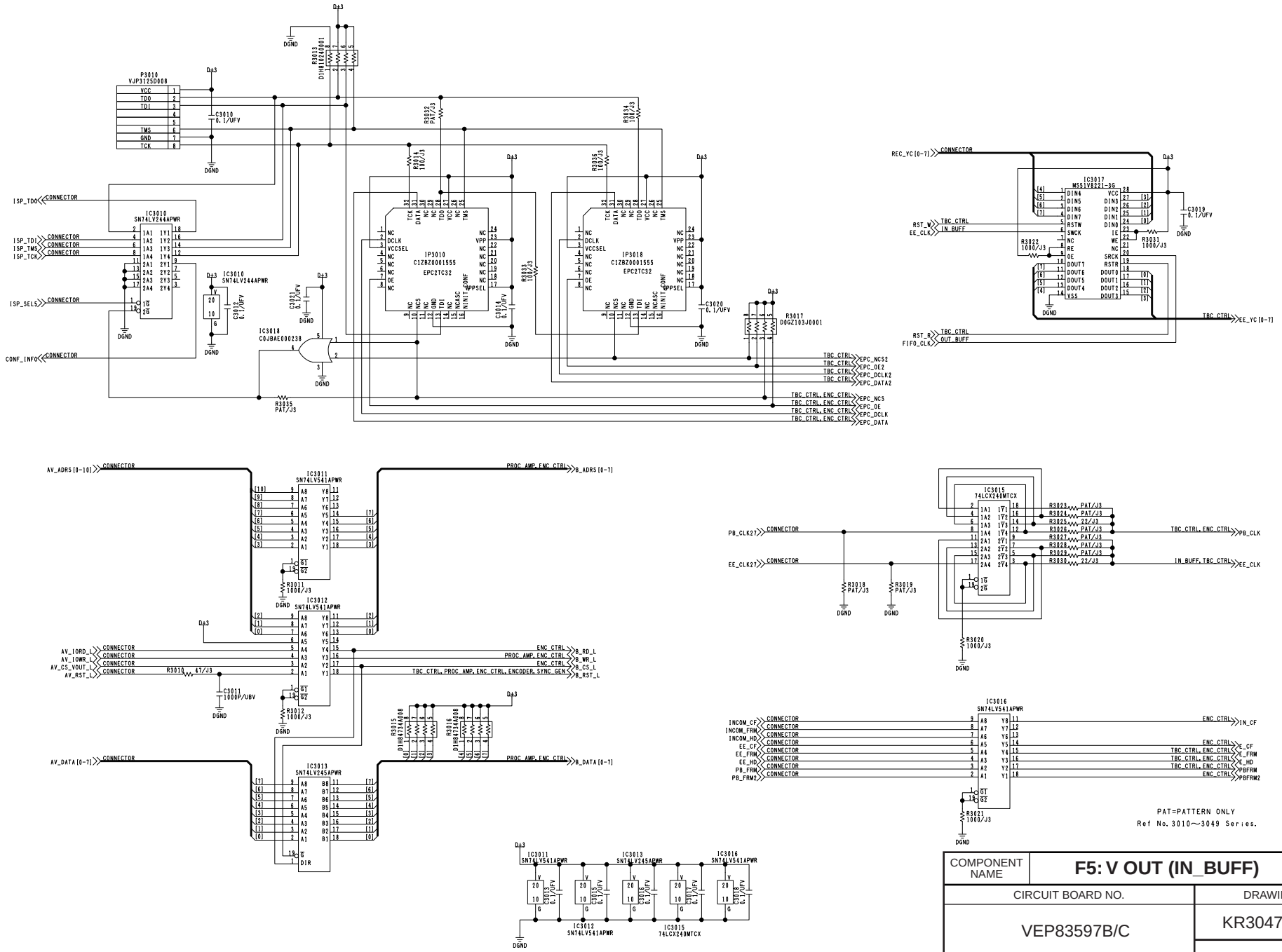


Ref No. 3951~3980

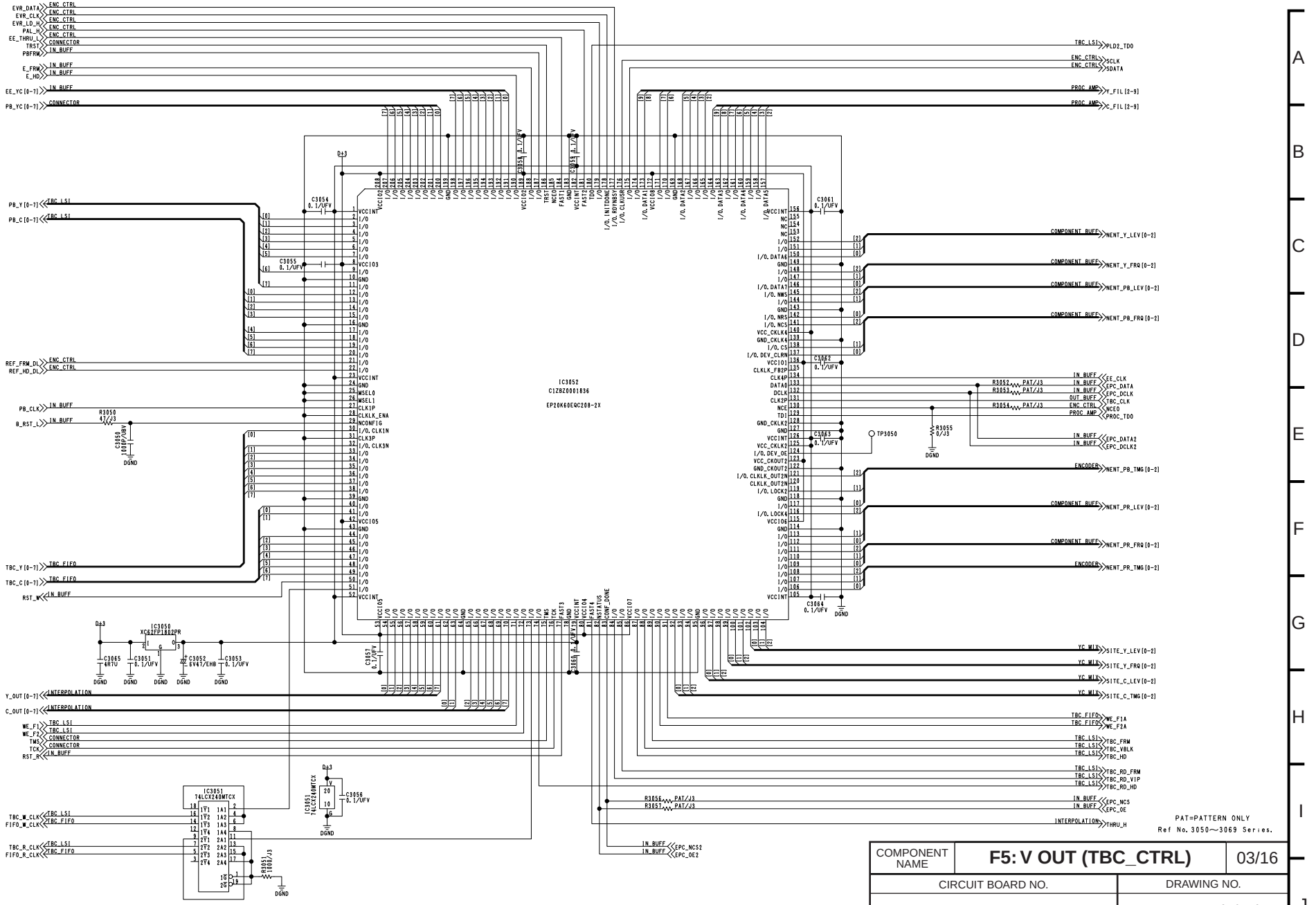
COMPONENT NAME	F4: REC PB(DV_ETC)	25/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (25/25)-1(0)
		SCM066



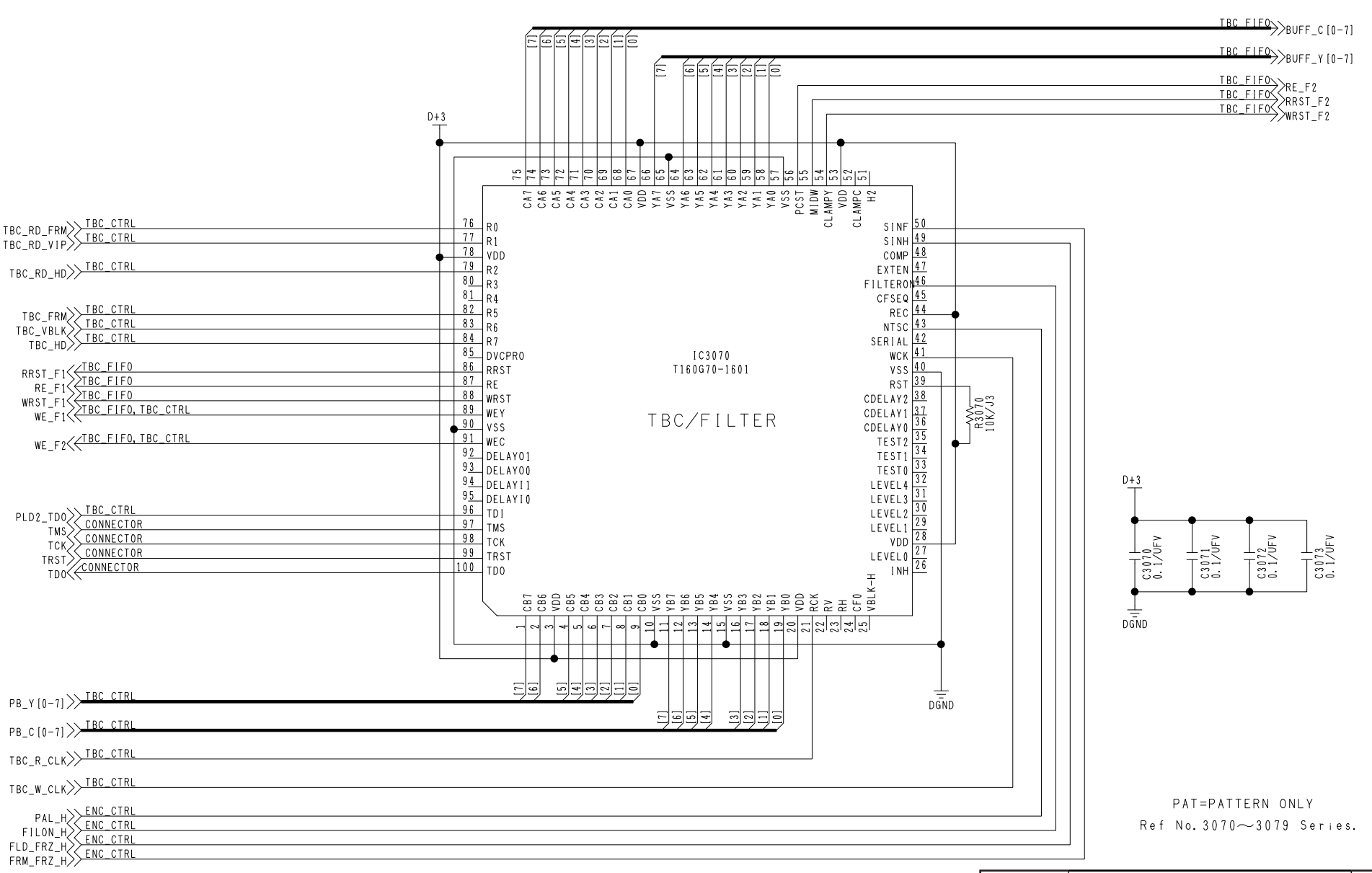
COMPONENT NAME	**F5: V OUT (CONNECTOR)**	01/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (1/16) (0)	
	SCM067	



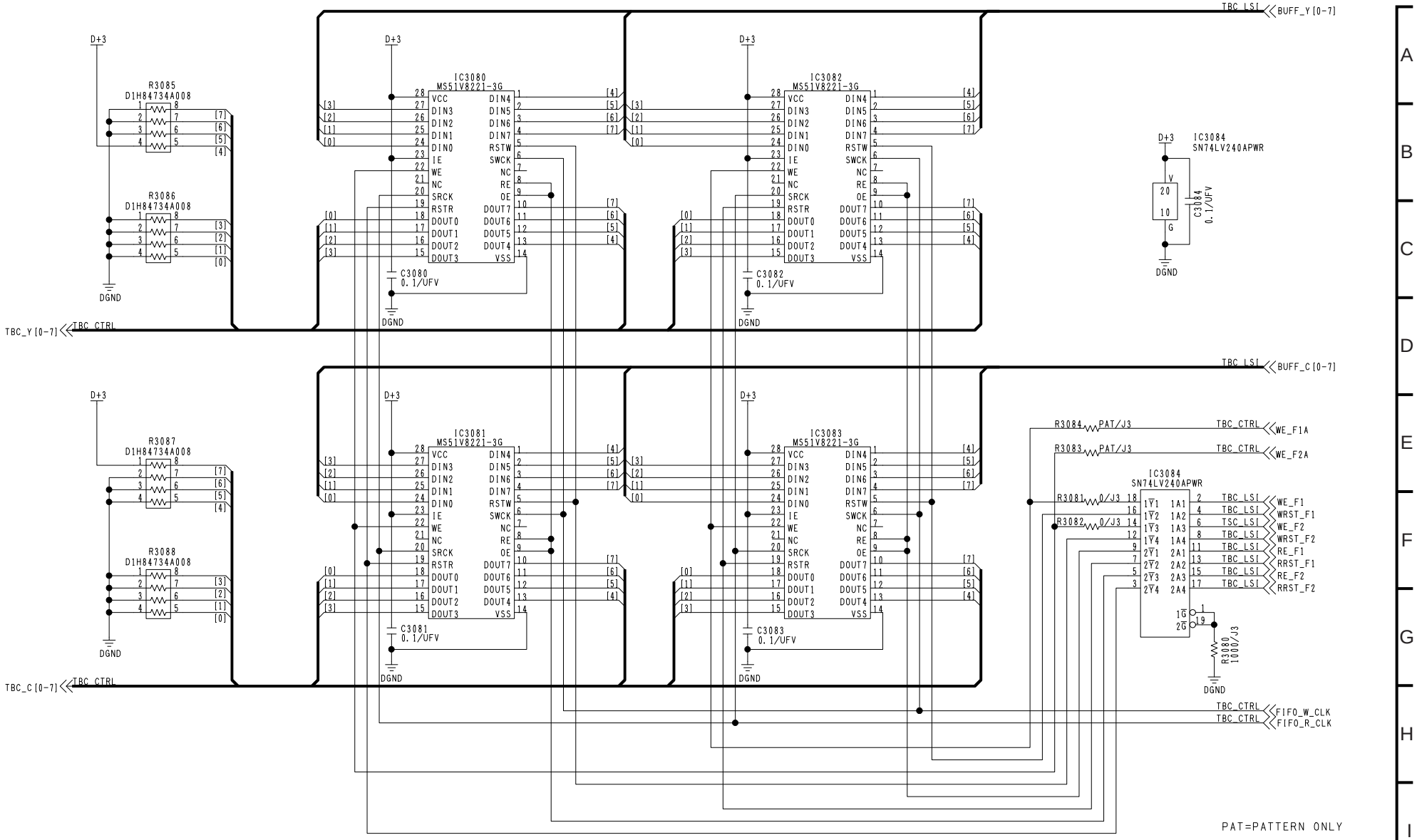
COMPONENT NAME	**F5: V OUT (IN_BUFF)**	02/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597B/C		KR30470 (2/16) (0)
		SCM068



COMPONENT NAME	F5: V OUT (TBC_CTRL)	03/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597B/C		KR30470 (3/16) (0)
		SCM069



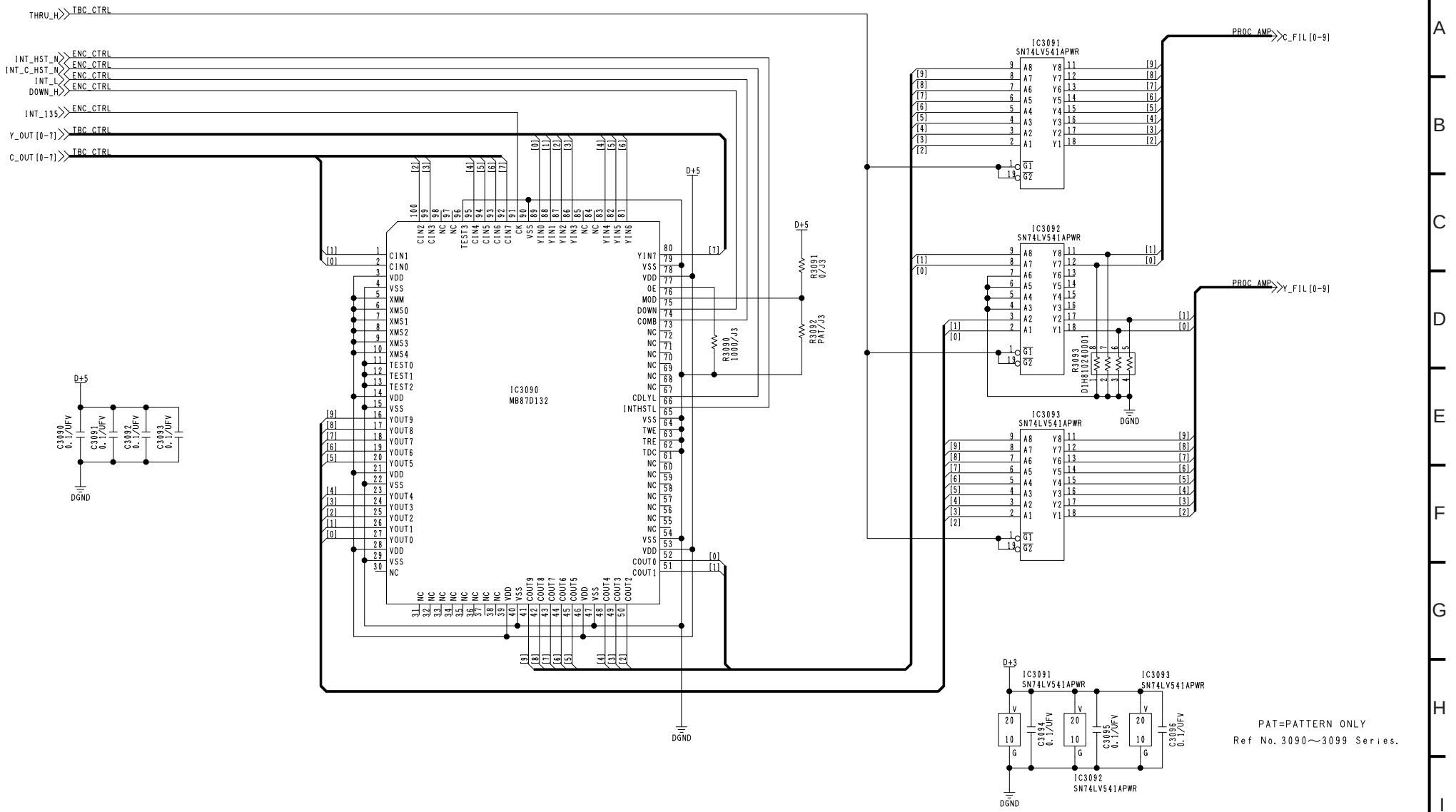
COMPONENT NAME	F5: V OUT (TBC_LSI)	04/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (4/16) (0)	
	SCM070	



PAT=PATTERN ONLY

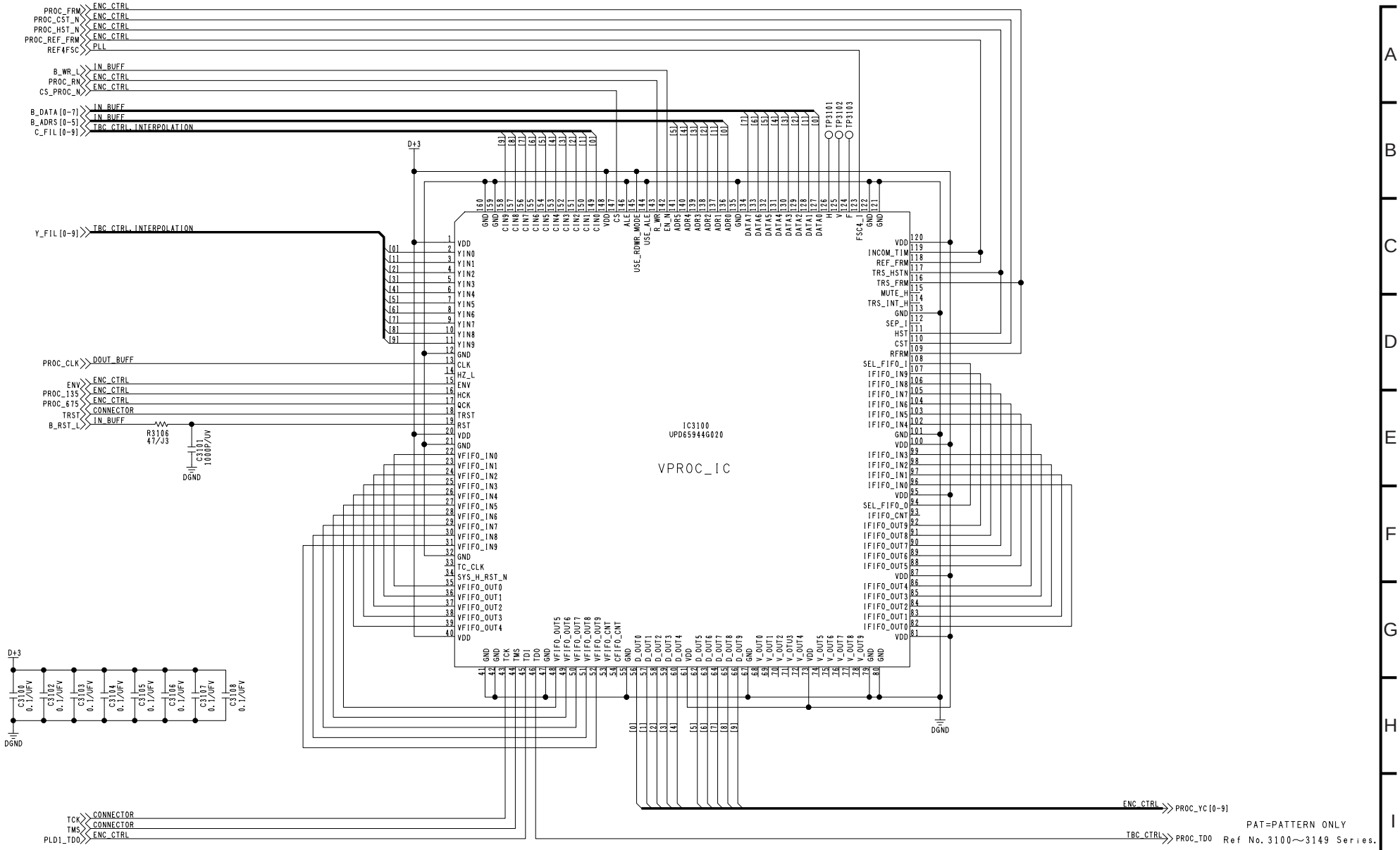
Ref No. 3080～3089 Series.

COMPONENT NAME	F5: V OUT (TBC_FIFO)	05/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597B/C		KR30470 (5/16) (0)
		SCM071

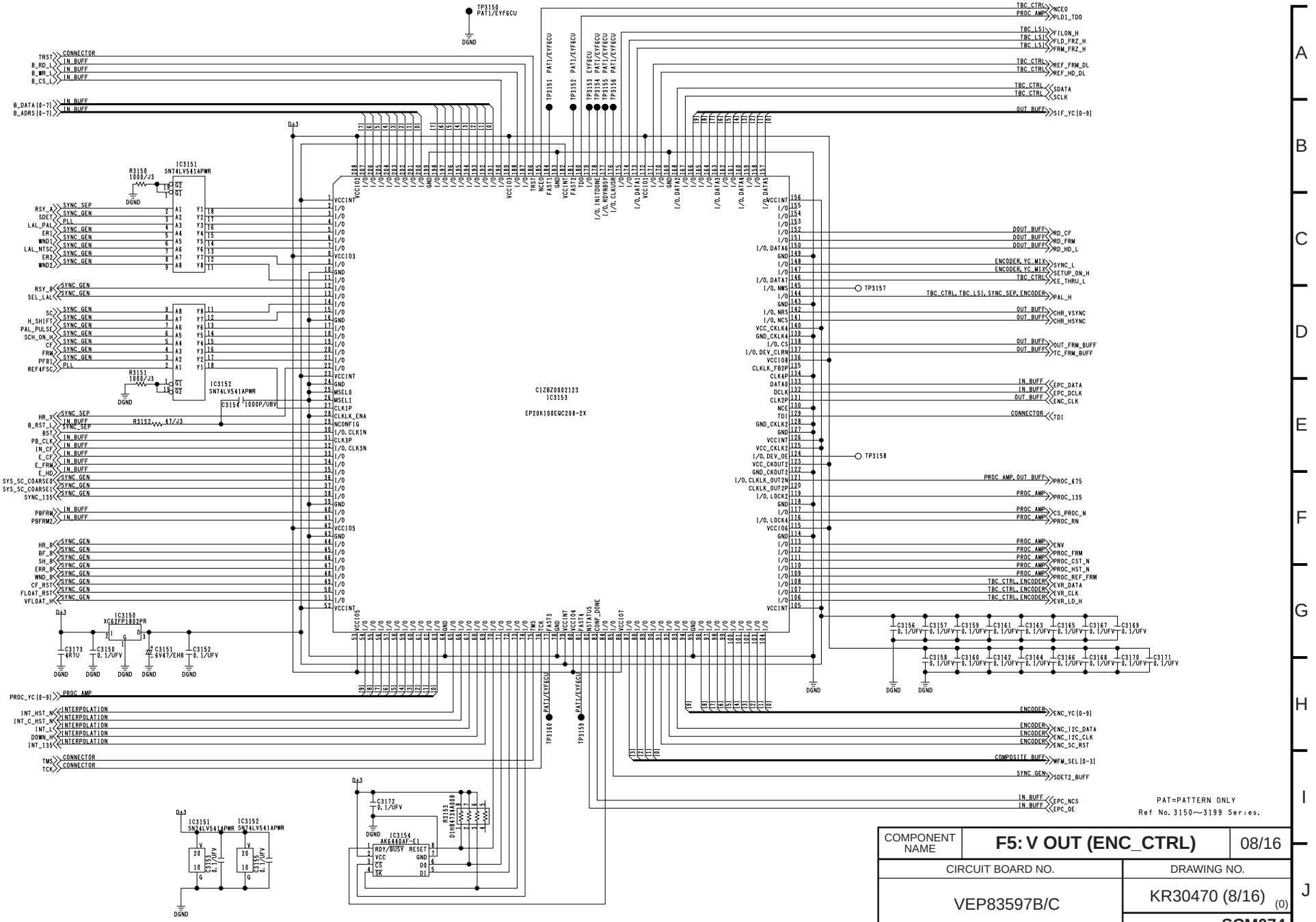


PAT=PATTERN ONLY
Ref No. 3090～3099 Series.

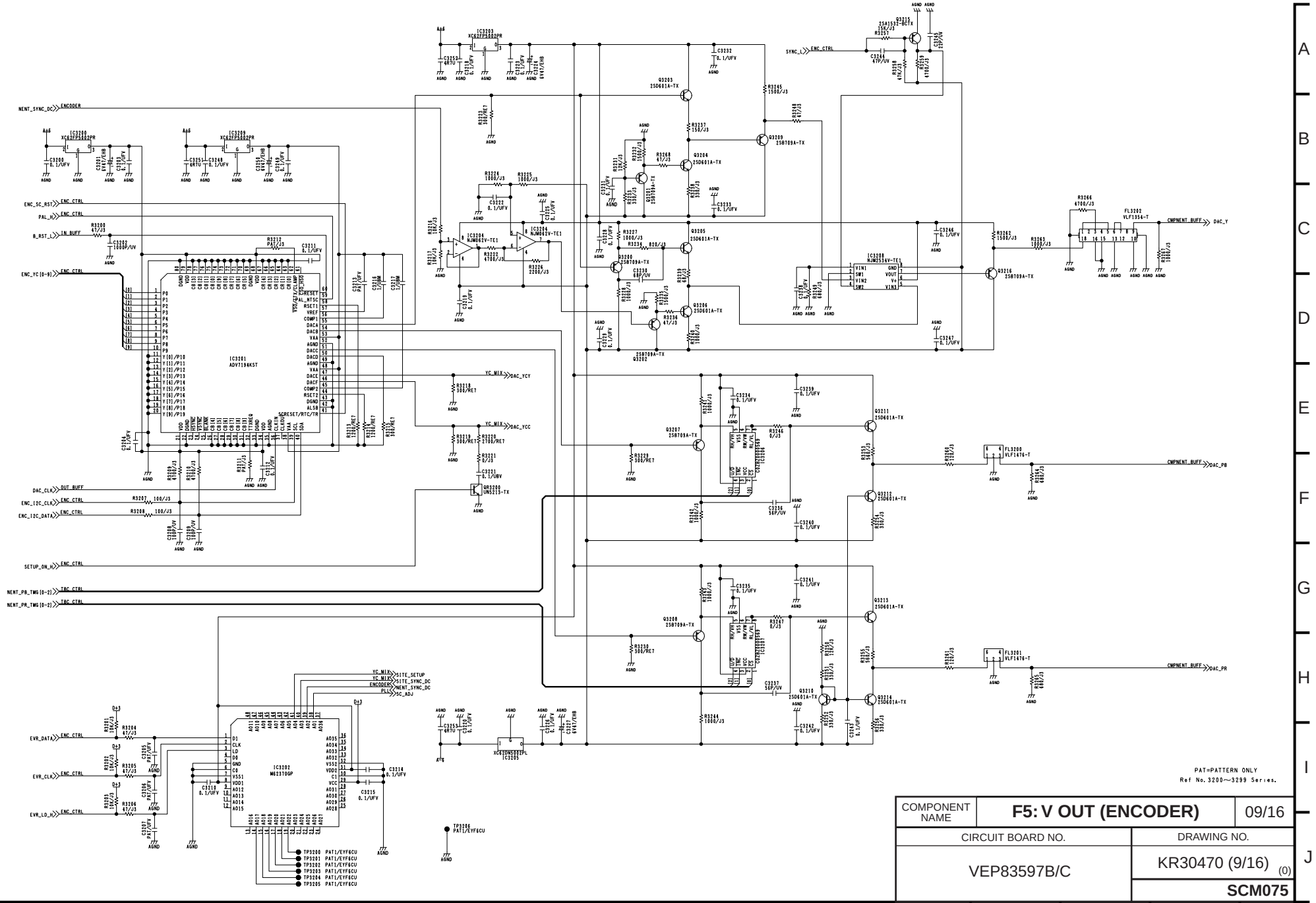
COMPONENT NAME	F5: V OUT (INTERPOLATION)	06/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597B/C		KR30470 (6/16) (0)
		SCM072



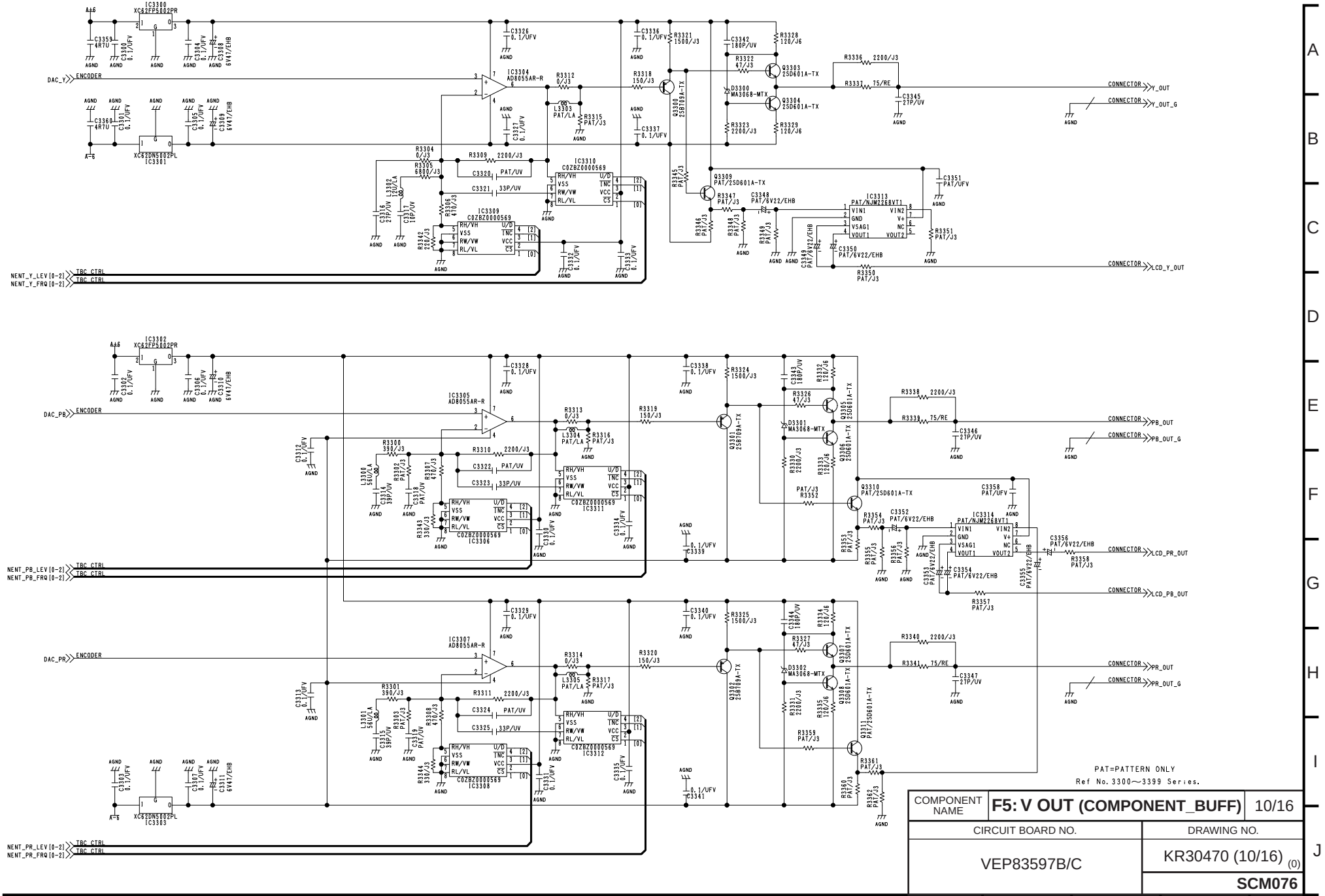
COMPONENT NAME	F5: V OUT (PROC_AMP)	07/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (7/16) (0)	
	SCM073	

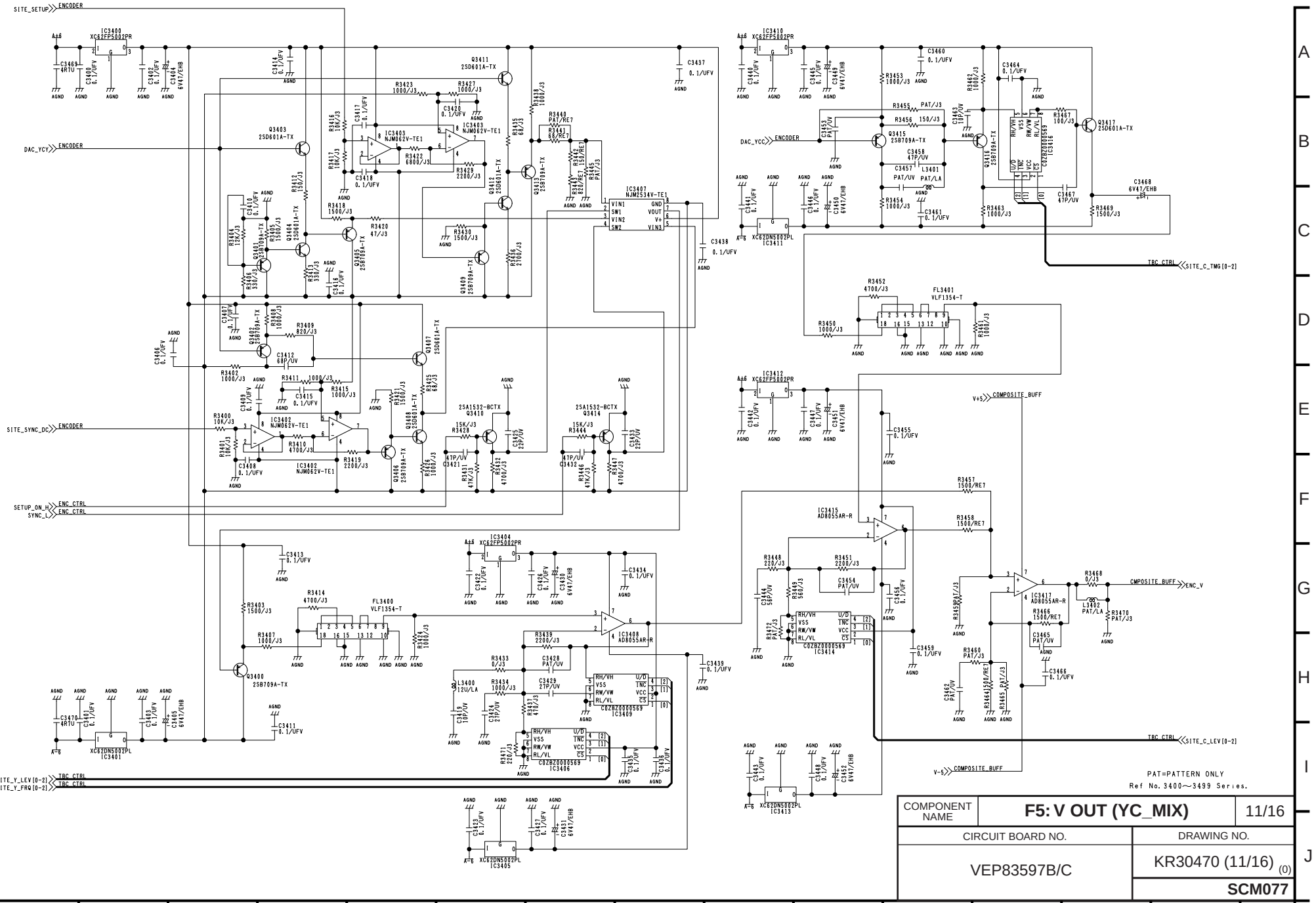


COMPONENT NAME	**F5: V OUT (ENC_CTRL)**	08/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (8/16) (0)	
	SCM074	

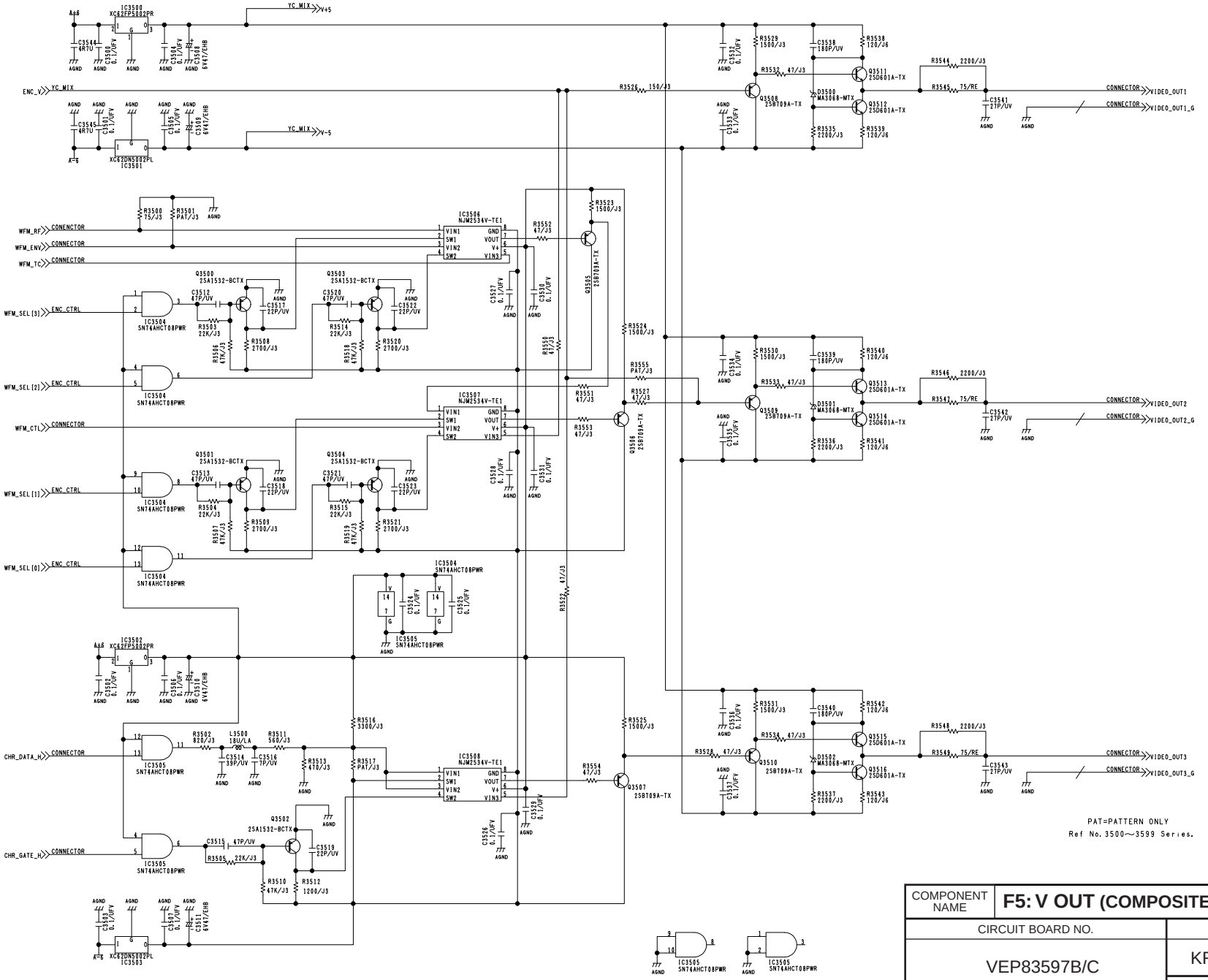


COMPONENT NAME	F5: V OUT (ENCODER)	09/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597B/C		KR30470 (9/16) (0)
		SCM075

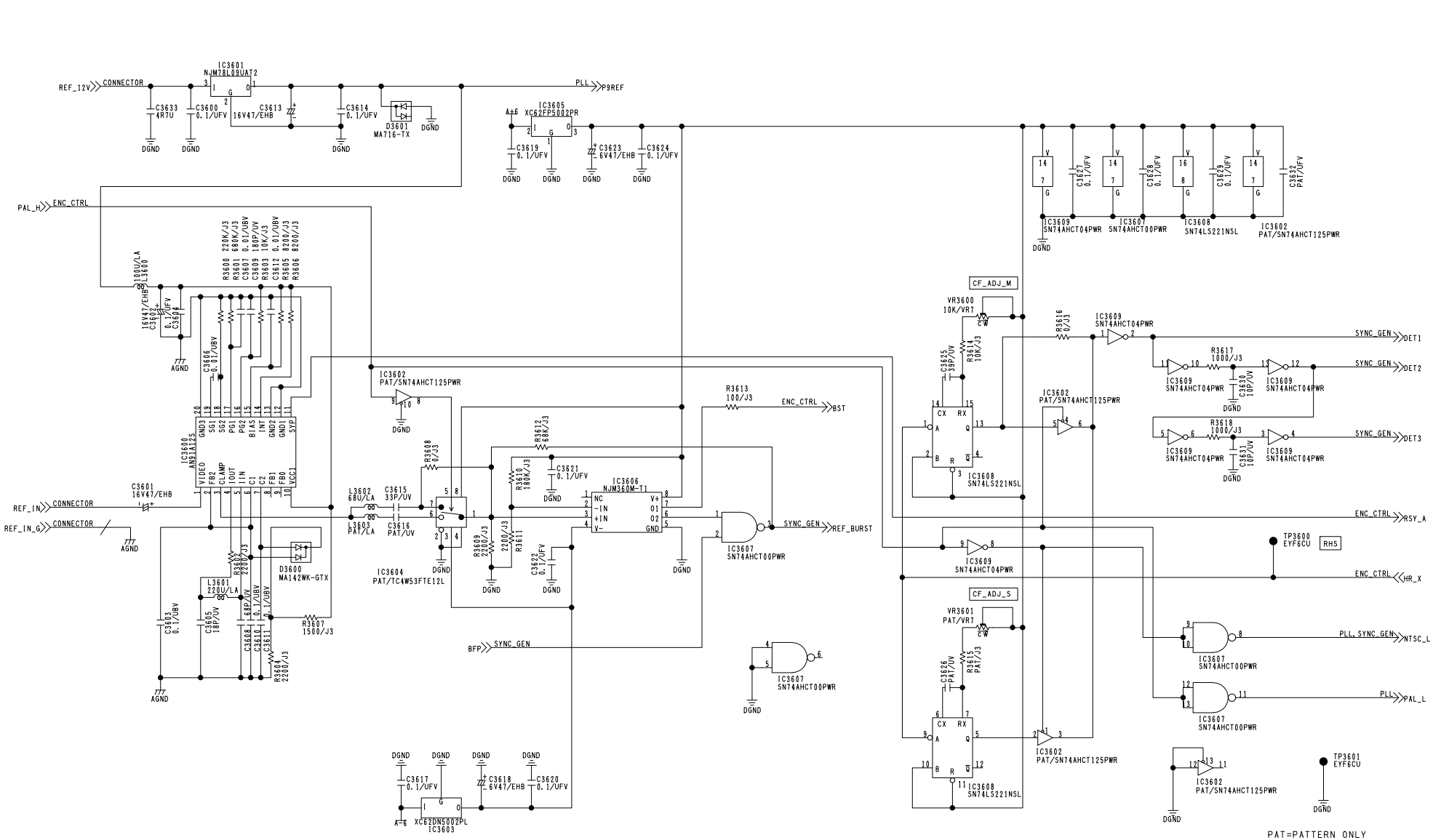

PAT=PATTERN ONLY
Ref No. 3300～3399 Series.
COMPONENT NAME
F5: V OUT (COMPONENT_BUFF)
10/16
CIRCUIT BOARD NO.
VEP83597B/C
DRAWING NO.
KR30470 (10/16) (0)
SCM076



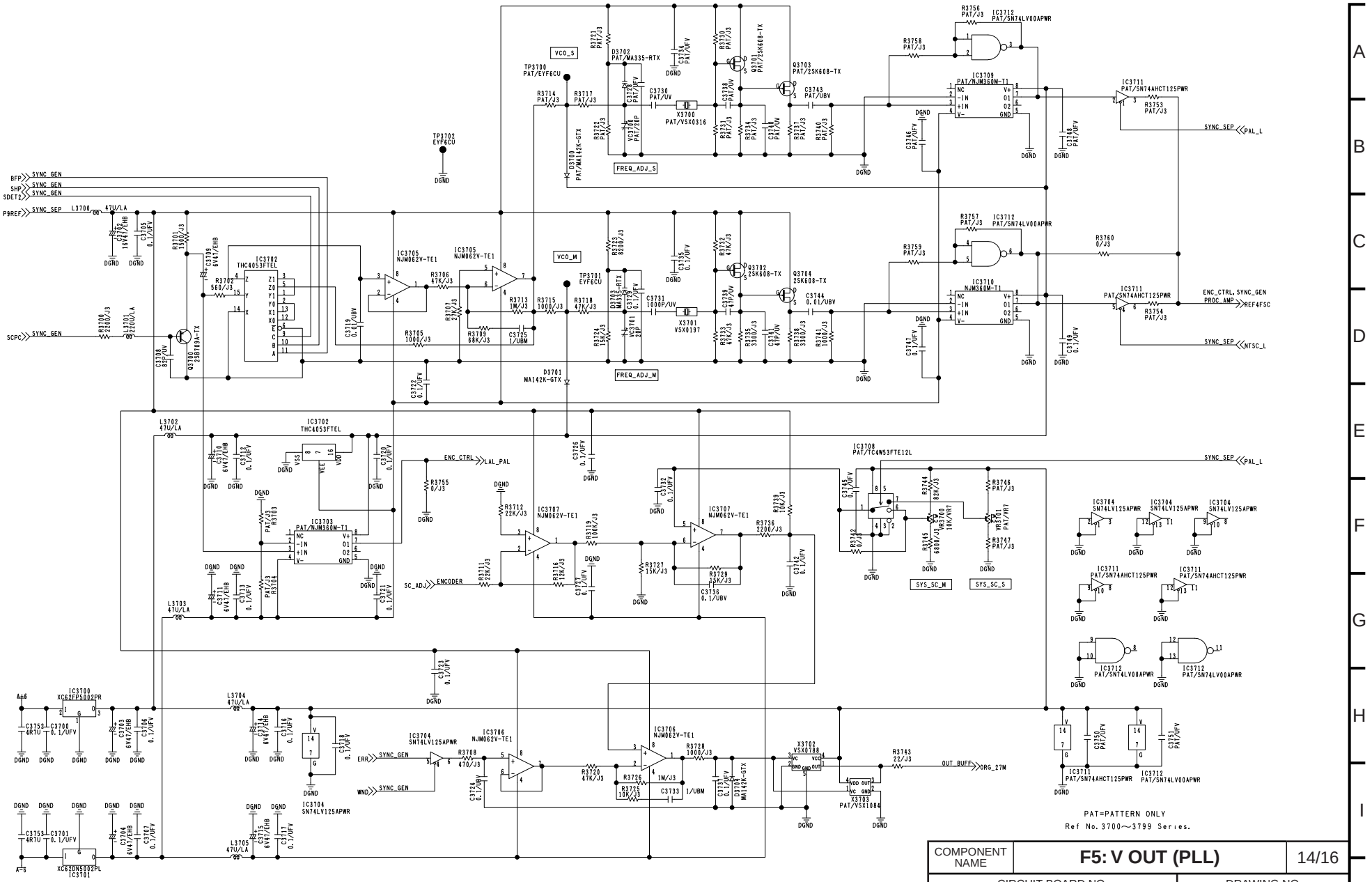
COMPONENT NAME	F5: V OUT (YC_MIX)	11/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597B/C		KR30470 (11/16) (0)
		SCM077



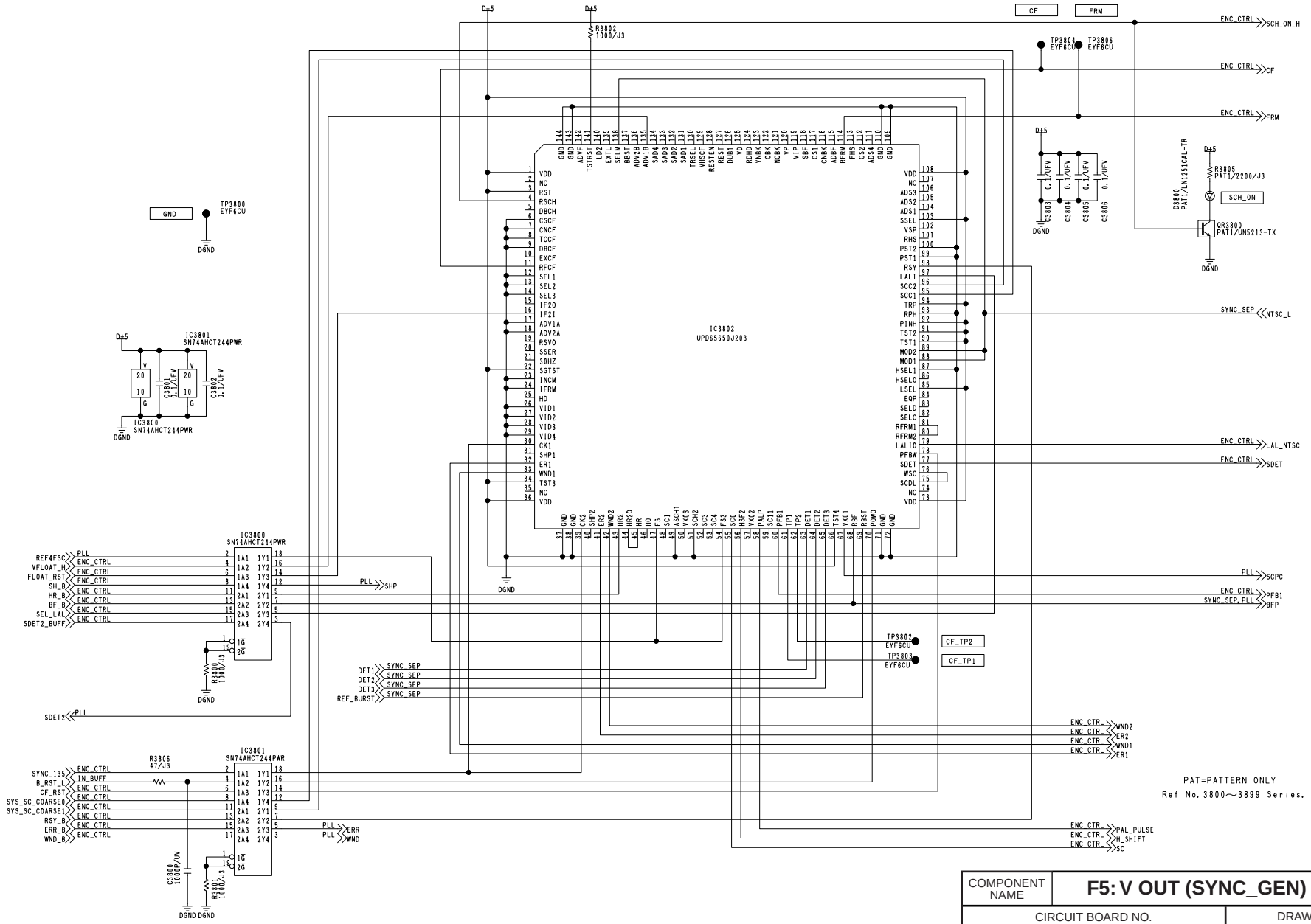
COMPONENT NAME	F5: V OUT (COMPOSITE_BUFF)	12/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597B/C		KR30470 (12/16) (0)
		SCM078



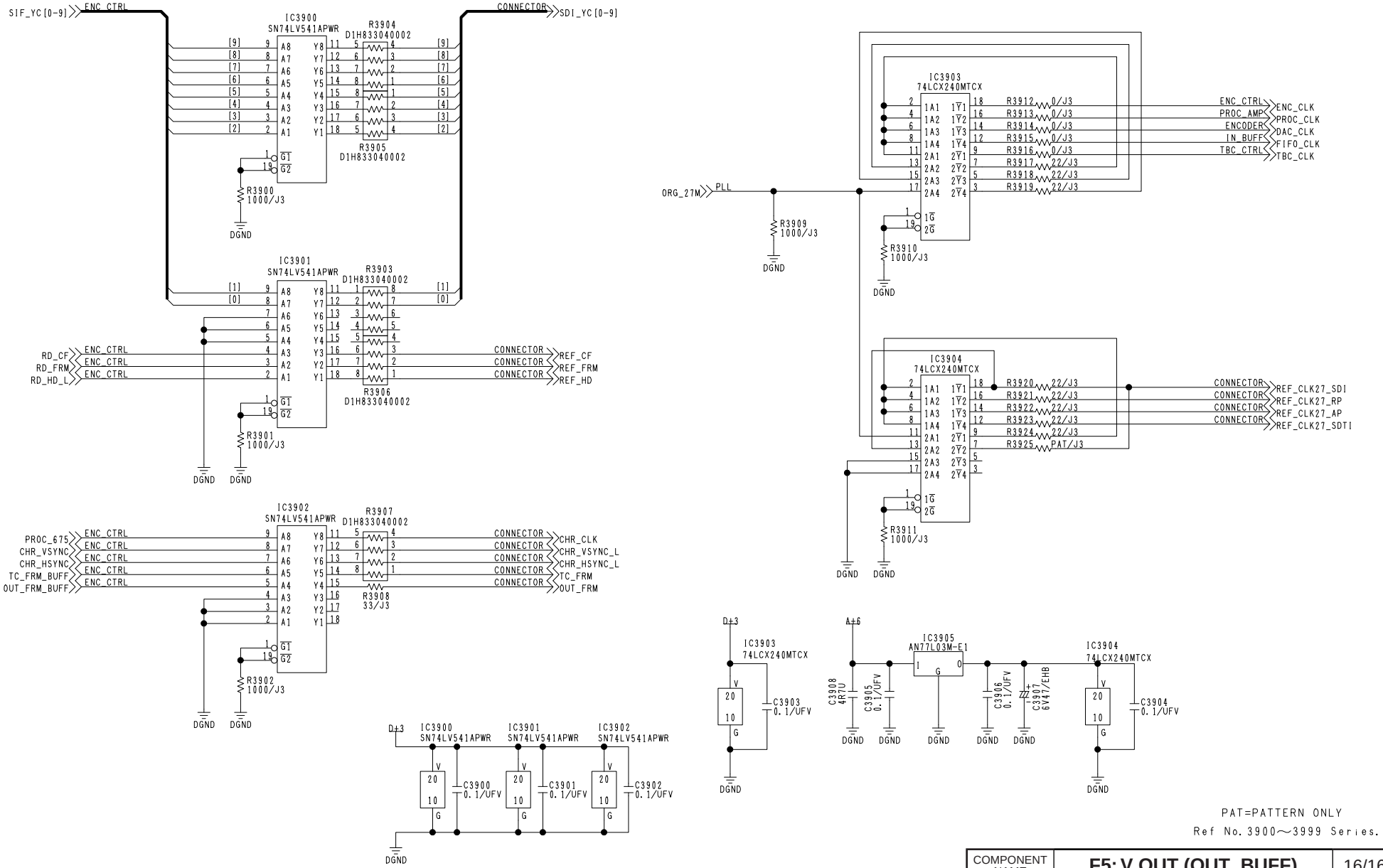
COMPONENT NAME	**F5: V OUT (SYNC_SEP)**	13/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (13/16) (0)	
	SCM079	



COMPONENT NAME	**F5: V OUT (PLL)**	14/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597B/C		KR30470 (14/16) (0)
		SCM080



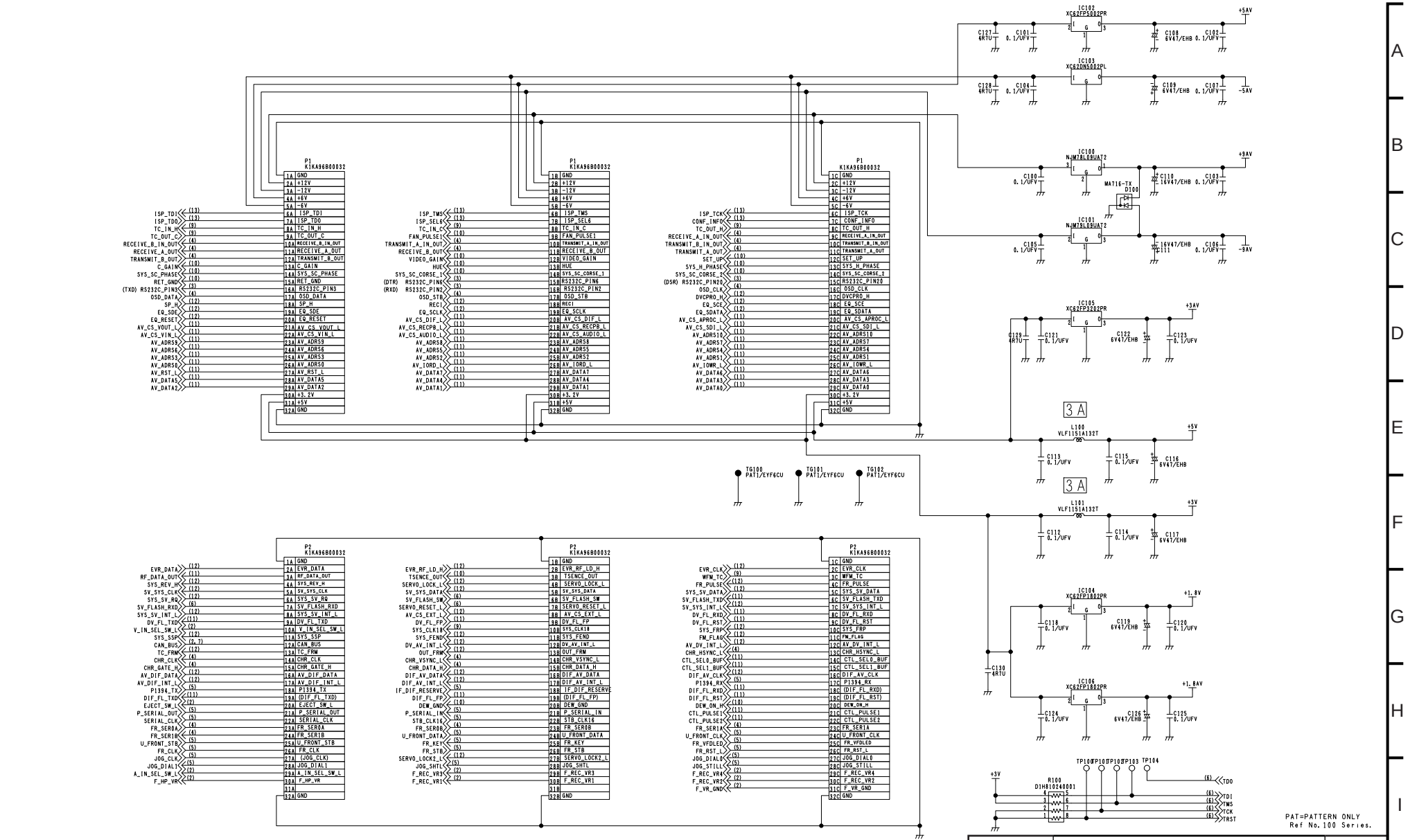
COMPONENT NAME	F5: V OUT (SYNC_GEN)	15/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (15/16) (0)	
	SCM081	



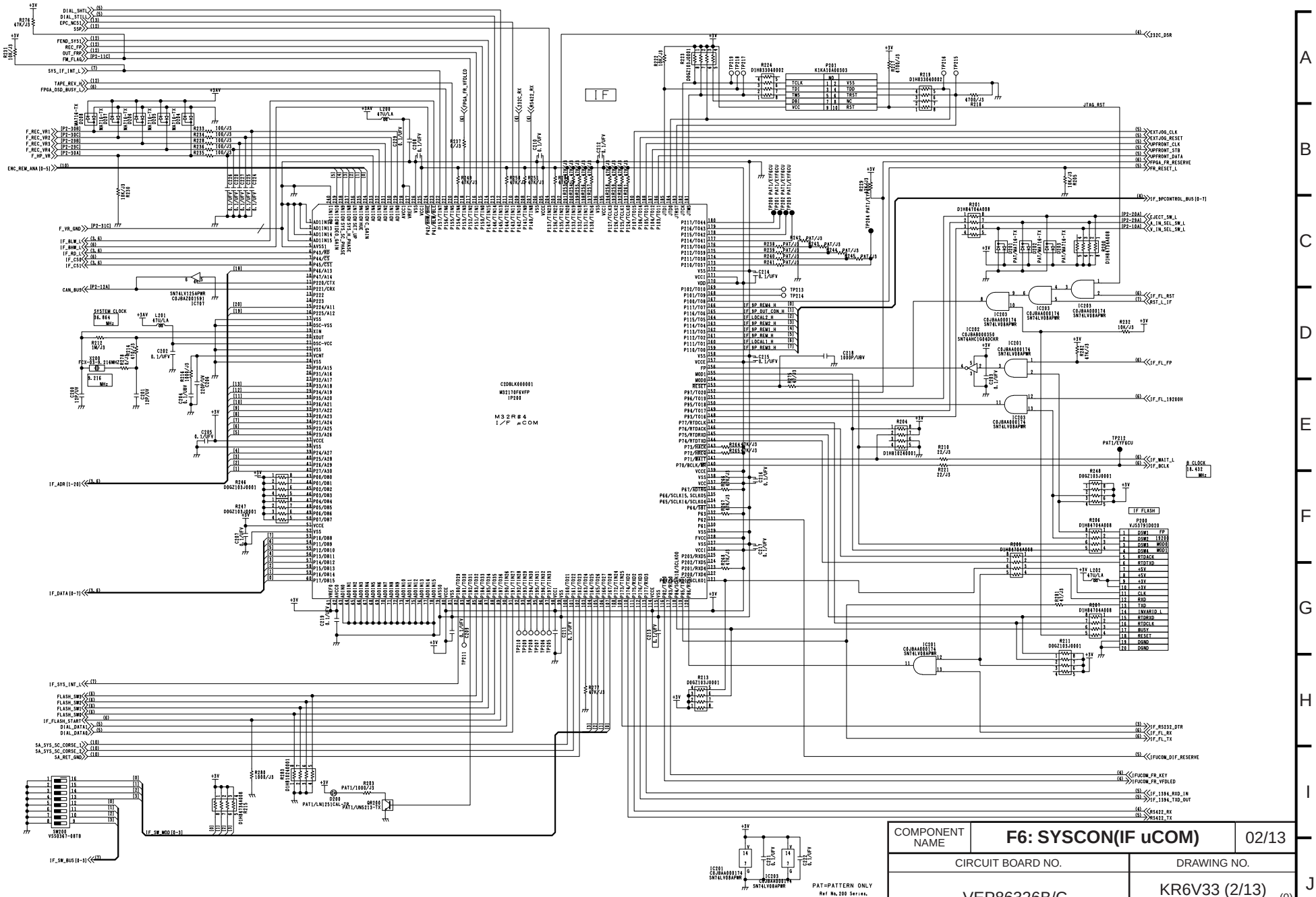
PAT=PATTERN ONLY

Ref No. 3900～3999 Series.

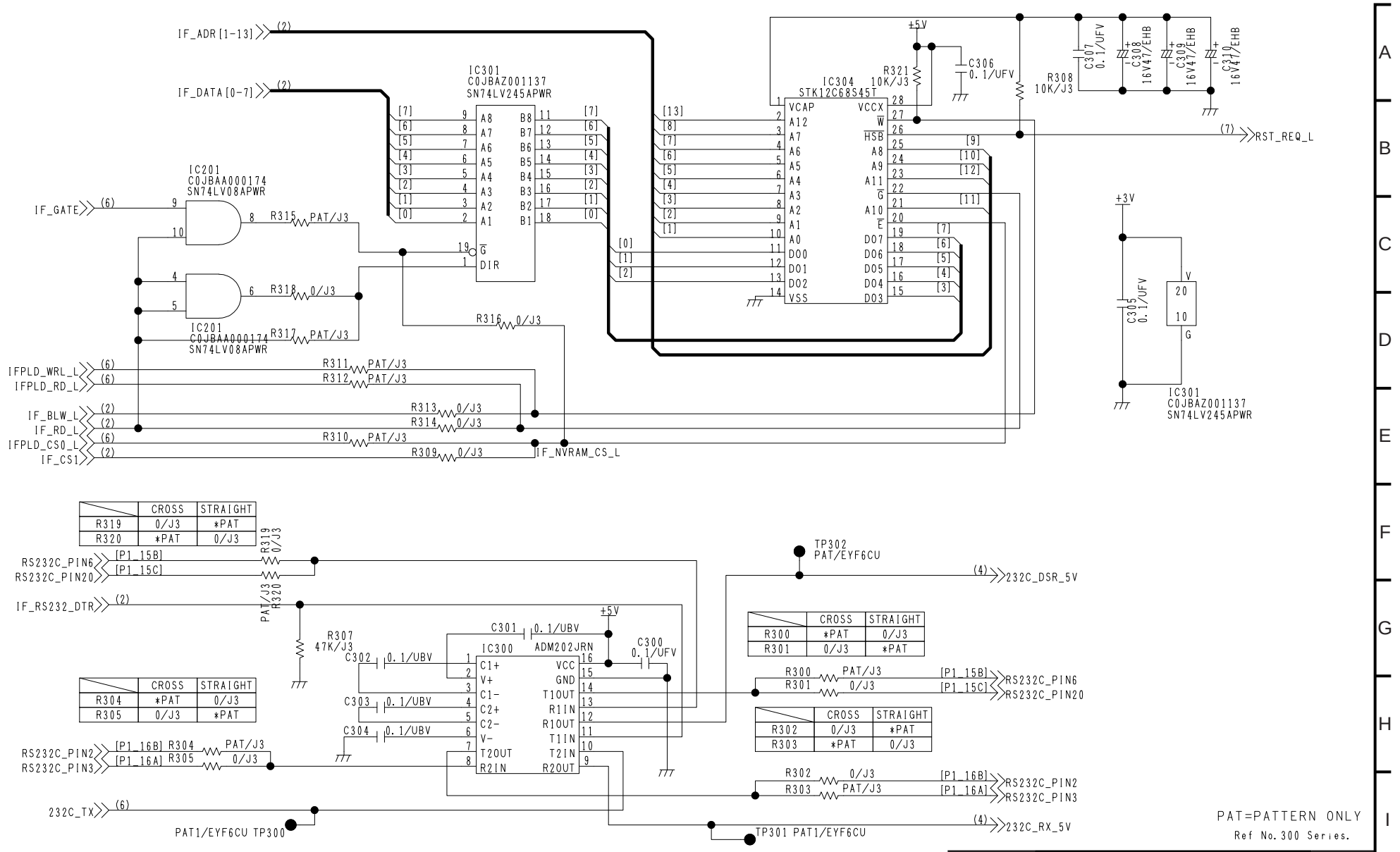
COMPONENT NAME	F5: V OUT (OUT_BUFF)	16/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (16/16) (0)	
	SCM082	



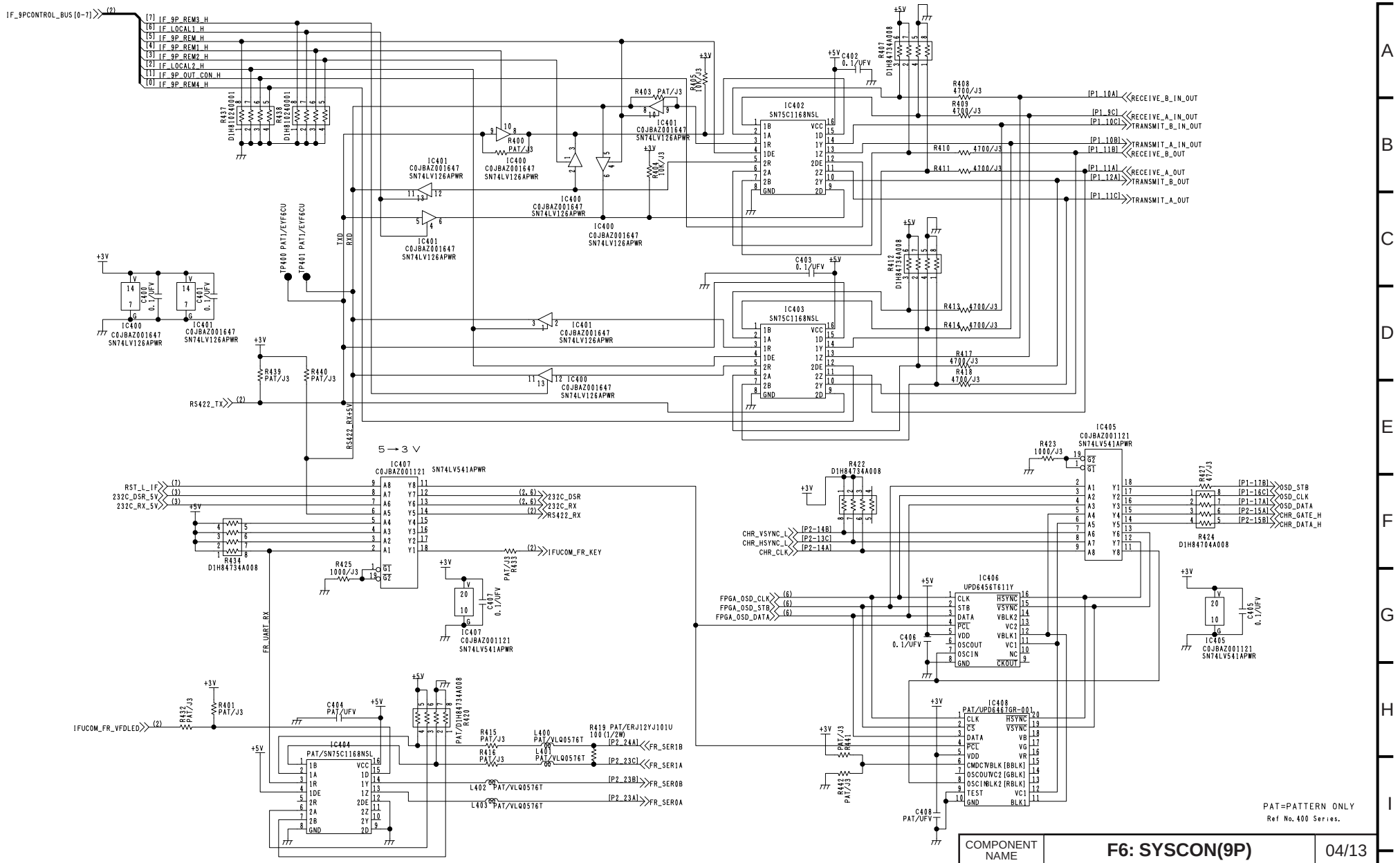
COMPONENT NAME	**F6: SYSCON**	01/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (1/13) (0)	
	SCM083	



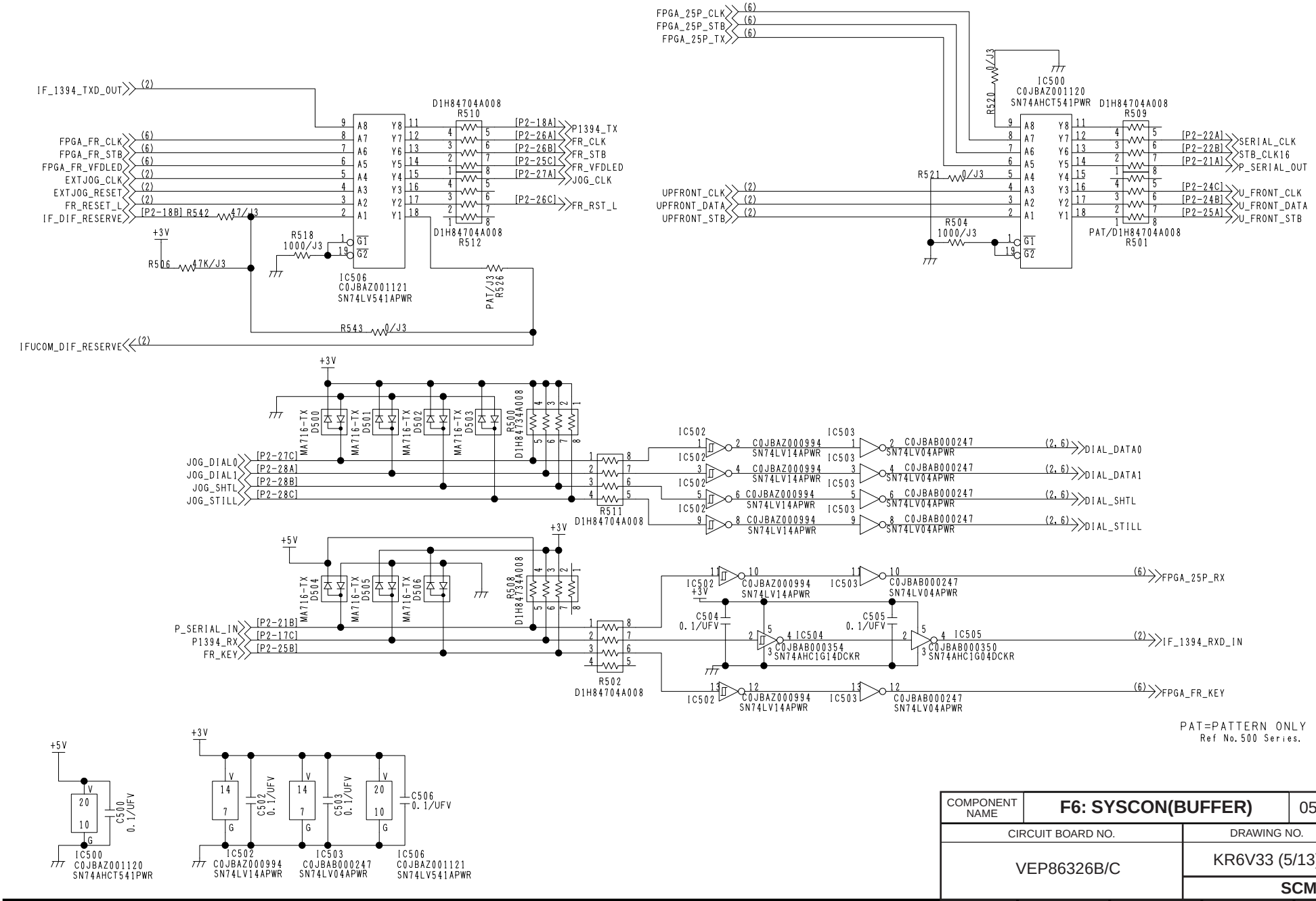
COMPONENT NAME	**F6: SYSCON(IF uCOM)**	02/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326B/C		KR6V33 (2/13) (0)
		SCM084



COMPONENT NAME	F6: SYSCON(NVRAM/232C)	03/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326B/C		KR6V33 (3/13) (0)
		SCM085

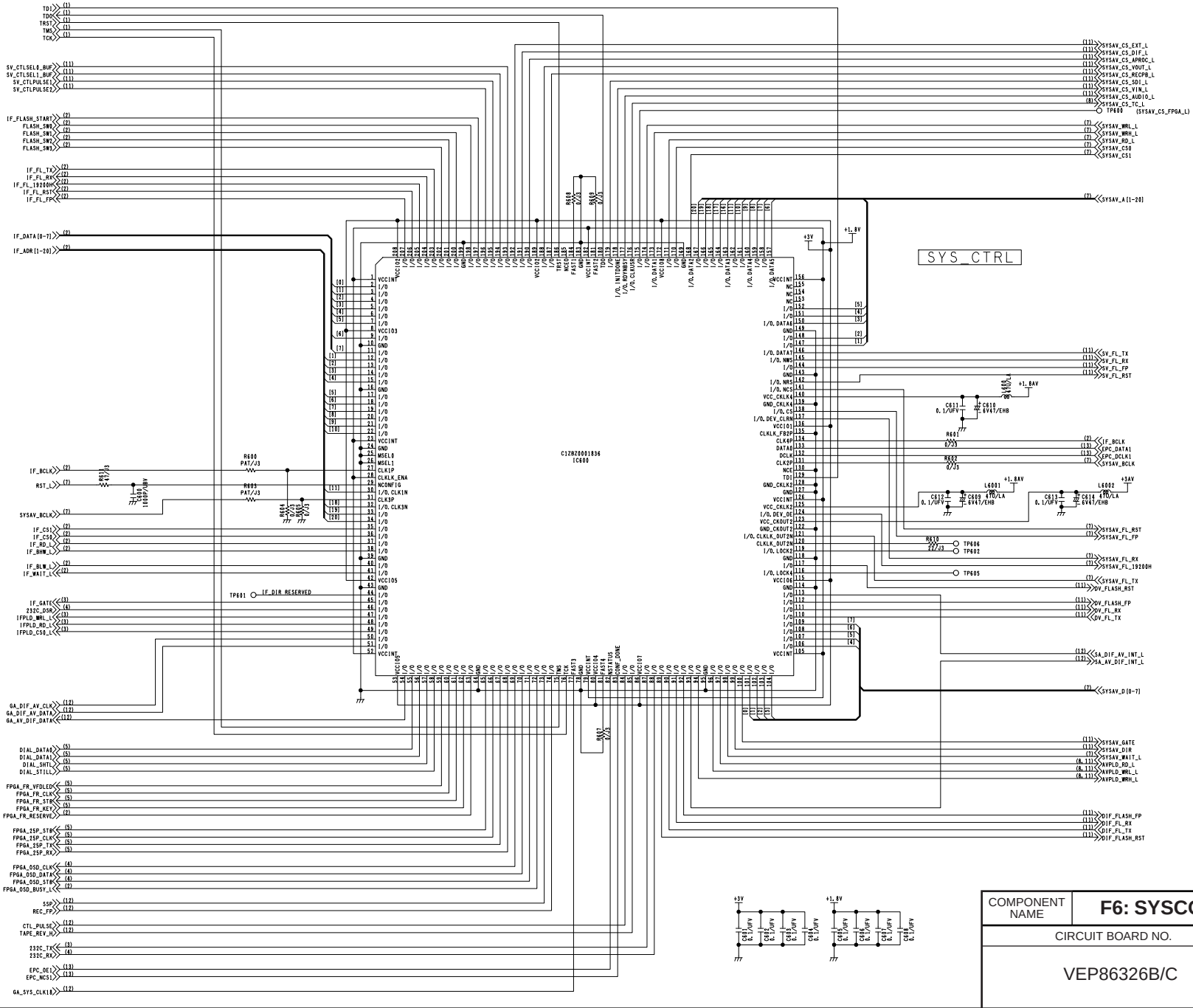


COMPONENT NAME	F6: SYSCON(9P)	04/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (4/13) (0)	
	SCM086	

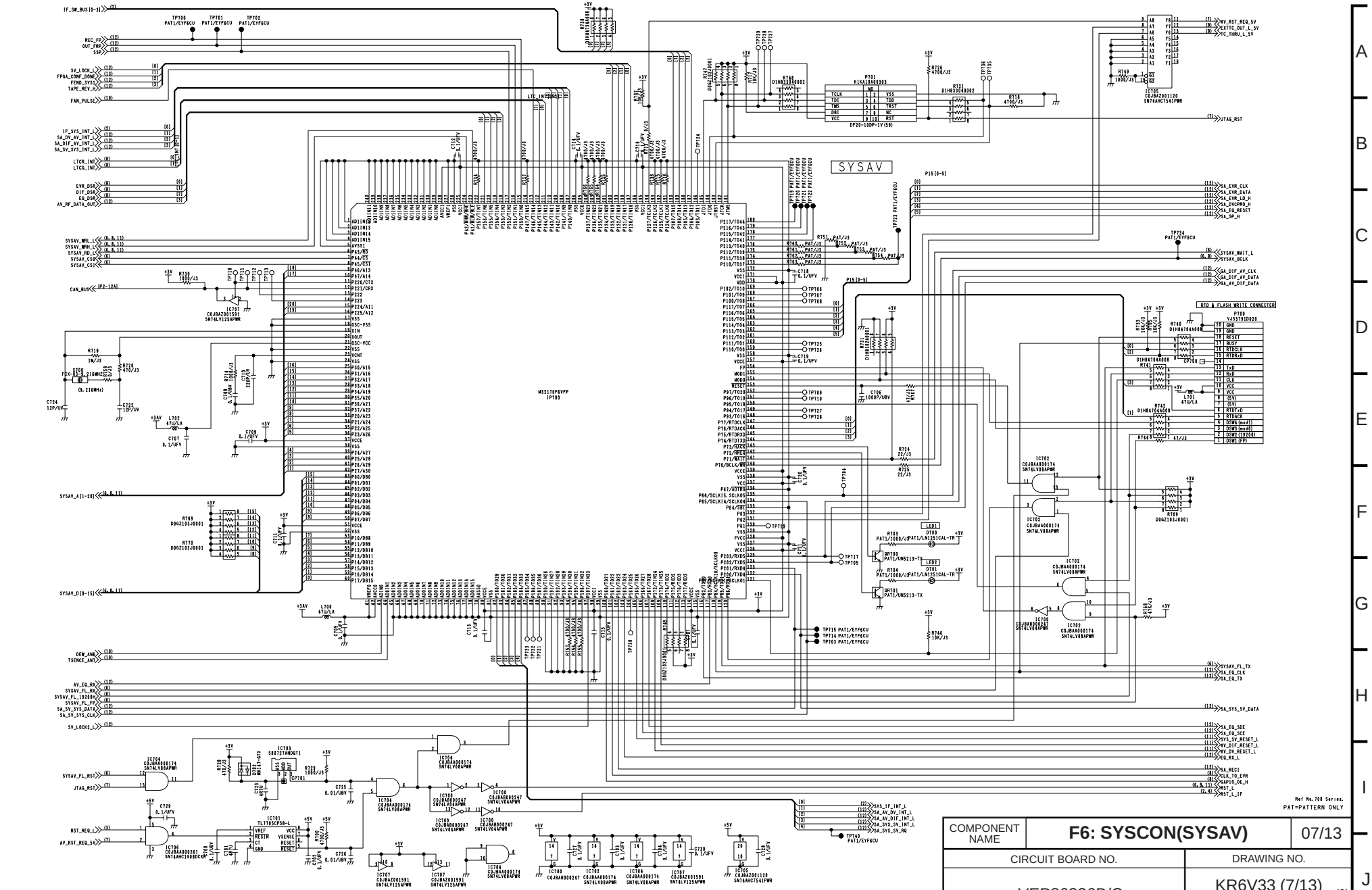


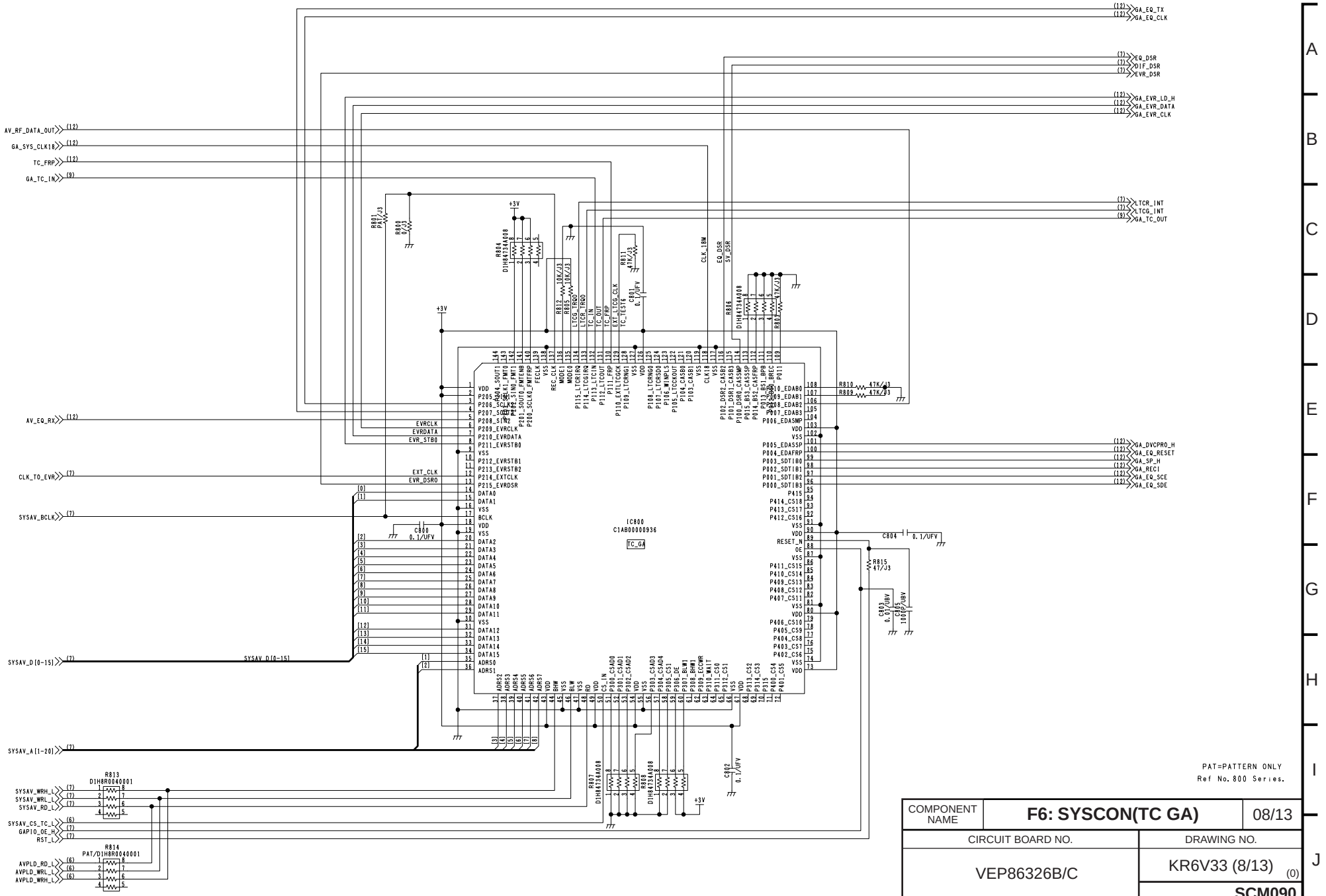
PAT=PATTERN ONLY
Ref No. 500 Series.

COMPONENT NAME	F6: SYSCON(BUFFER)	05/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326B/C		KR6V33 (5/13) (0)
		SCM087

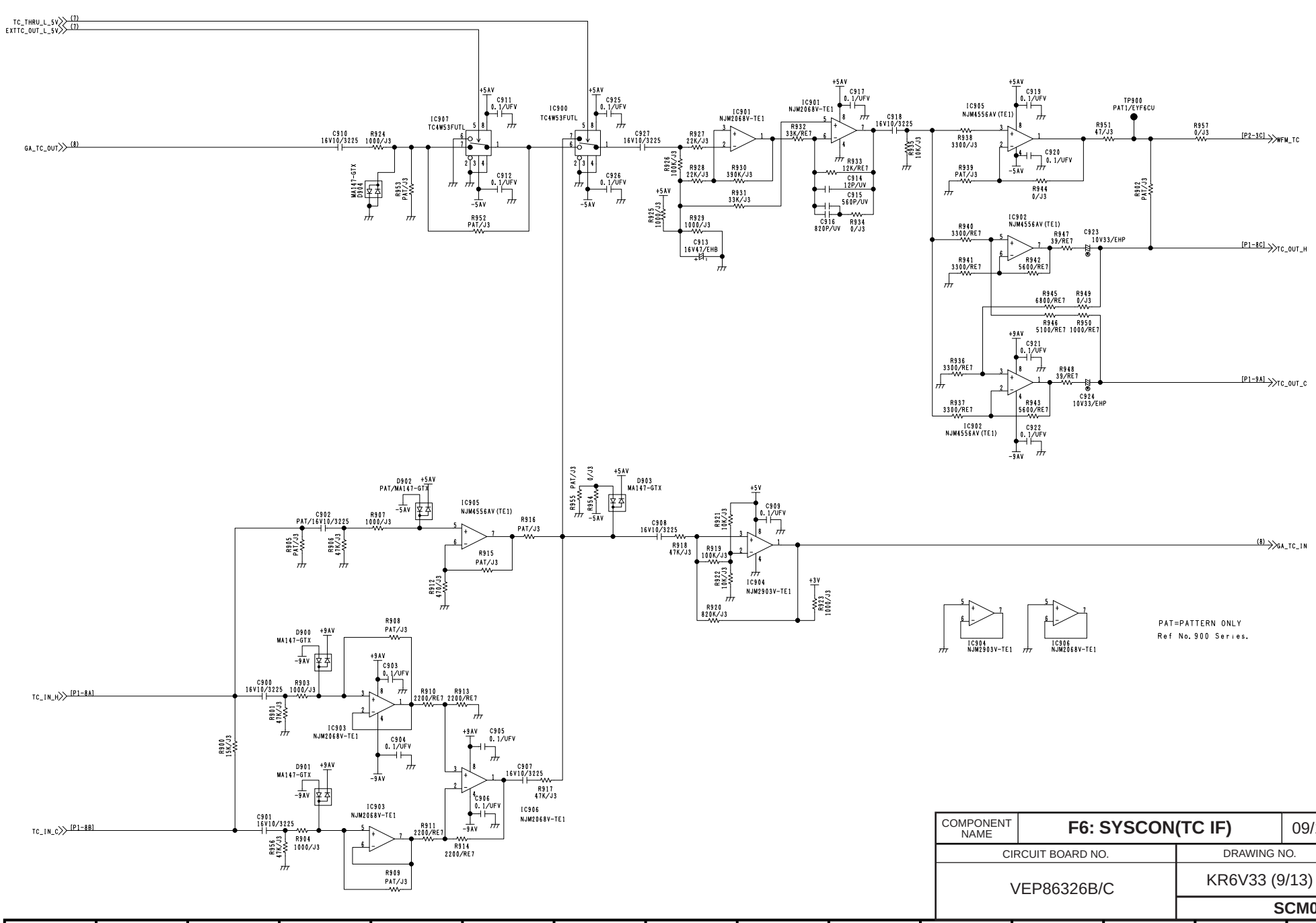


COMPONENT NAME	F6: SYSCON(SYS_CTRL)	06/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326B/C		KR6V33 (6/13) (0)
		SCM088

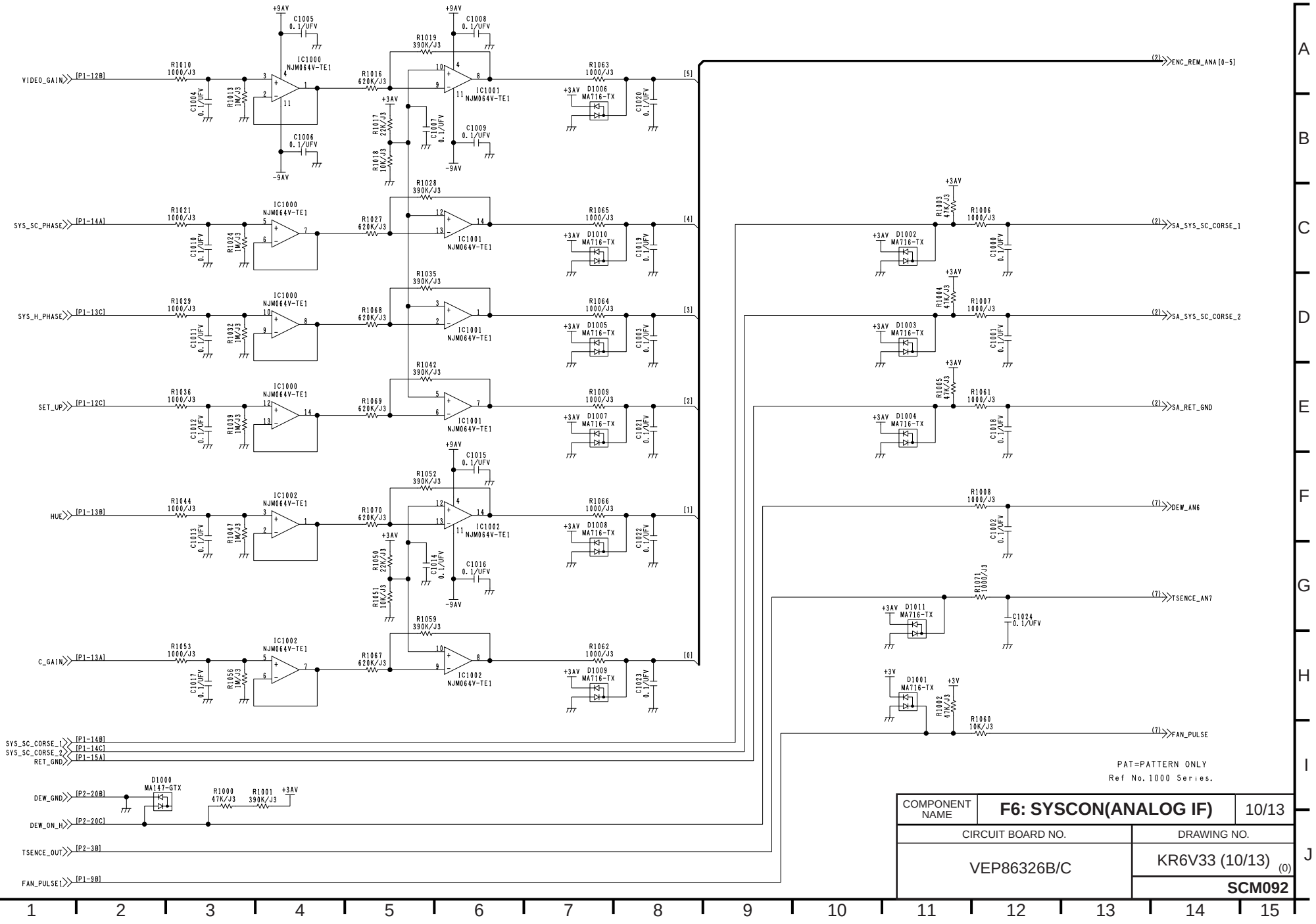

SYSAV
M32170F6VFP
1P100
RTD & FLASH WRITE CONNECTER
P100
VJS3710D020
CP700
DF20-100DP-1V(59)
P201
K1KA10A00003
IC705
C0JBAA001120
SN74AHCT541PWR
IC702
C0JBAA000174
SN74LV08APWR
IC704
C0JBAA000174
SN74LV08APWR
IC700
C0JBAA000247
SN74LV04APWR
IC707
C0JBAZ001591
SN74LV125APWR
IC706
C0JBAA000263
SN74AHC1G00DCKR
IC703
S8073TAMDUT1
IC701
TL7705CPSB-L
CP701
LED1
D700
LED2
D701
Q0700
PAT1/UNS213-TX
Q0701
PAT1/UNS213-TX
TP100 PAT1/EYF6CU
TP101 PAT1/EYF6CU
TP102 PAT1/EYF6CU
TP115 PAT1/EYF6CU
TP114 PAT1/EYF6CU
TP103 PAT1/EYF6CU
TP140 PAT1/EYF6CU
IF_SW_BUS[0-3]
REC_FP
OUT_FP
SSP
5V_LOCK
FPGA_CONF_DONE
FEND_SYS1
TAPE_REV_H
FAN_PULSE
IF_SYS_INT_L
SA_DV_AV_INT_L
SA_DIF_AV_INT_L
SA_SV_SYS_INT_L
LTCR_INT
LTCG_INT
EVR_DSR
DIF_DSR
EQ_DSR
AV_RF_DATA_OUT
SYSAV_WRL_L
SYSAV_WRH_L
SYSAV_RD_L
SYSAV_CS0
SYSAV_CS1
CAN_BUS
SYSAV_A[1-20]
SYSAV_D[0-15]
DEW_ANA
TSENCE_ANA
AV_EQ_RX
SYSAV_FL_RX
SYSAV_FL_192KHz
SYSAV_FL_FP
SA_SV_SYS_DATA
SA_SV_SYS_CLK
SV_LOCK2
SYSAV_FL_RST
JTAG_RST
RST_REQ_L
AV_RST_REQ_5V
P15[0-5]
SA_EVR_CLK
SA_EVR_DATA
SA_EVR_LO_H
SA_SVCPMD_H
SA_EQ_RESET
SA_SP_H
SYSAV_WAIT_L
SYSAV_BCLK
SA_DIF_AV_CLK
SA_DIF_AV_DATA
SA_AV_DIF_DATA
SYSAV_FL_TX
SA_EQ_CLK
SA_EQ_TX
SA_SYS_SV_DATA
SA_EQ_SDE
SA_EQ_SCE
SYS_SV_RESET_L
SA_DIF_RESET_L
SA_DV_DIF_RESET_L
EQ_RX_L
SA_REC1
CLK_TO_EVR
SAPIO_OE_H
MST_L
MST_L_IF
AV_RST_REQ_SV
EXTTC_OUT_L_5V
TC_THRU_L_5V
JTAG_RST
SYS_IF_INT_L
SA_AV_DV_INT_L
SA_AV_DIF_INT_L
SA_SYS_SV_INT_L
SA_SYS_SV_RQ
Ref No.700 Series.
PAT=PATTERN ONLY
COMPONENT NAME
F6: SYSCON(SYSAV)
07/13
CIRCUIT BOARD NO.
VEP86326B/C
DRAWING NO.
KR6V33 (7/13) (0)
SCM089

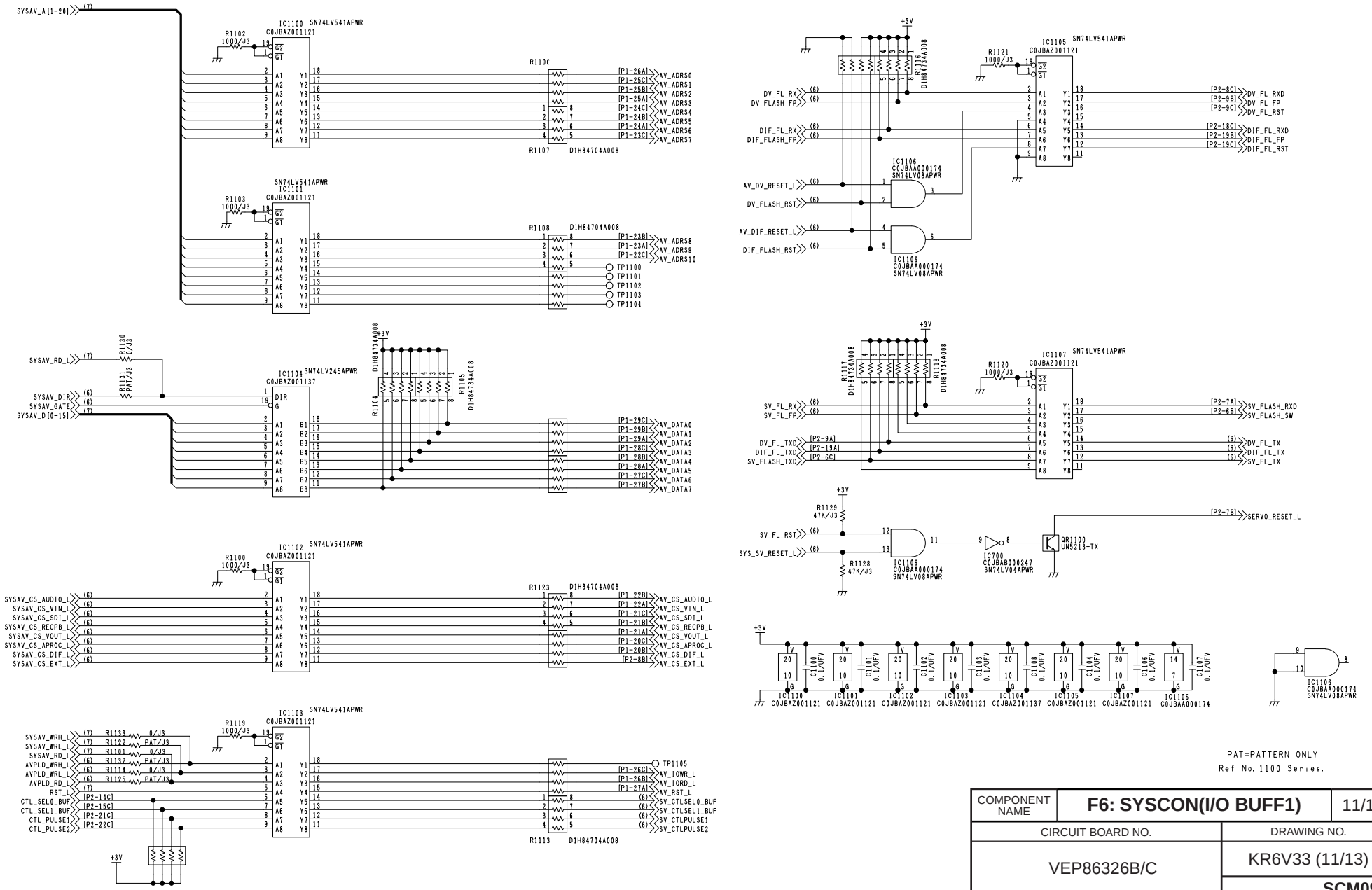


COMPONENT NAME	F6: SYSCON(TC GA)	08/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326B/C		KR6V33 (8/13) (0)
		SCM090

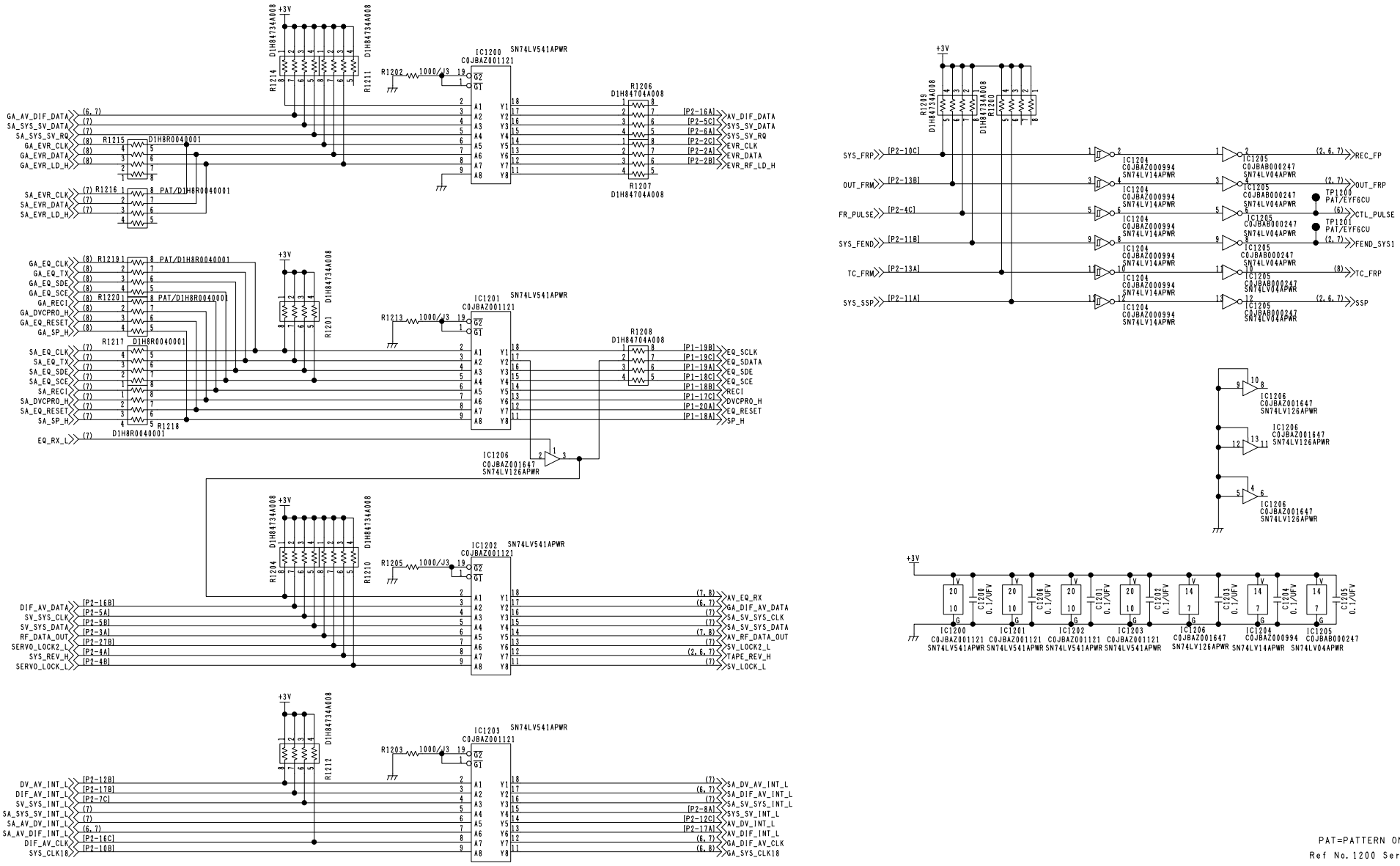


COMPONENT NAME	F6: SYSCON(TC IF)	09/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (9/13) (0)	
	SCM091	


VIDEO_GAIN [P1-12B]
SYS_SC_PHASE [P1-14A]
SYS_H_PHASE [P1-13C]
SET_UP [P1-12C]
HUE [P1-13B]
C_GAIN [P1-13A]
SYS_SC_CORSE_1 [P1-14B]
SYS_SC_CORSE_2 [P1-14C]
RET_GND [P1-15A]
DEW_GND [P2-20B]
DEW_ON_H [P2-20C]
TSENCE_OUT [P2-3B]
FAN_PULSE1 [P1-9B]
(2) ENC_REM_ANA [0-5]
(2) SA_SYS_SC_CORSE_1
(2) SA_SYS_SC_CORSE_2
(2) SA_RET_GND
(7) DEW_AN6
(7) TSENCE_AN7
(7) FAN_PULSE
PAT=PATTERN ONLY
Ref No. 1000 Series.
COMPONENT NAME
F6: SYSCON(ANALOG IF)
10/13
CIRCUIT BOARD NO.
VEP86326B/C
DRAWING NO.
KR6V33 (10/13) (0)
SCM092

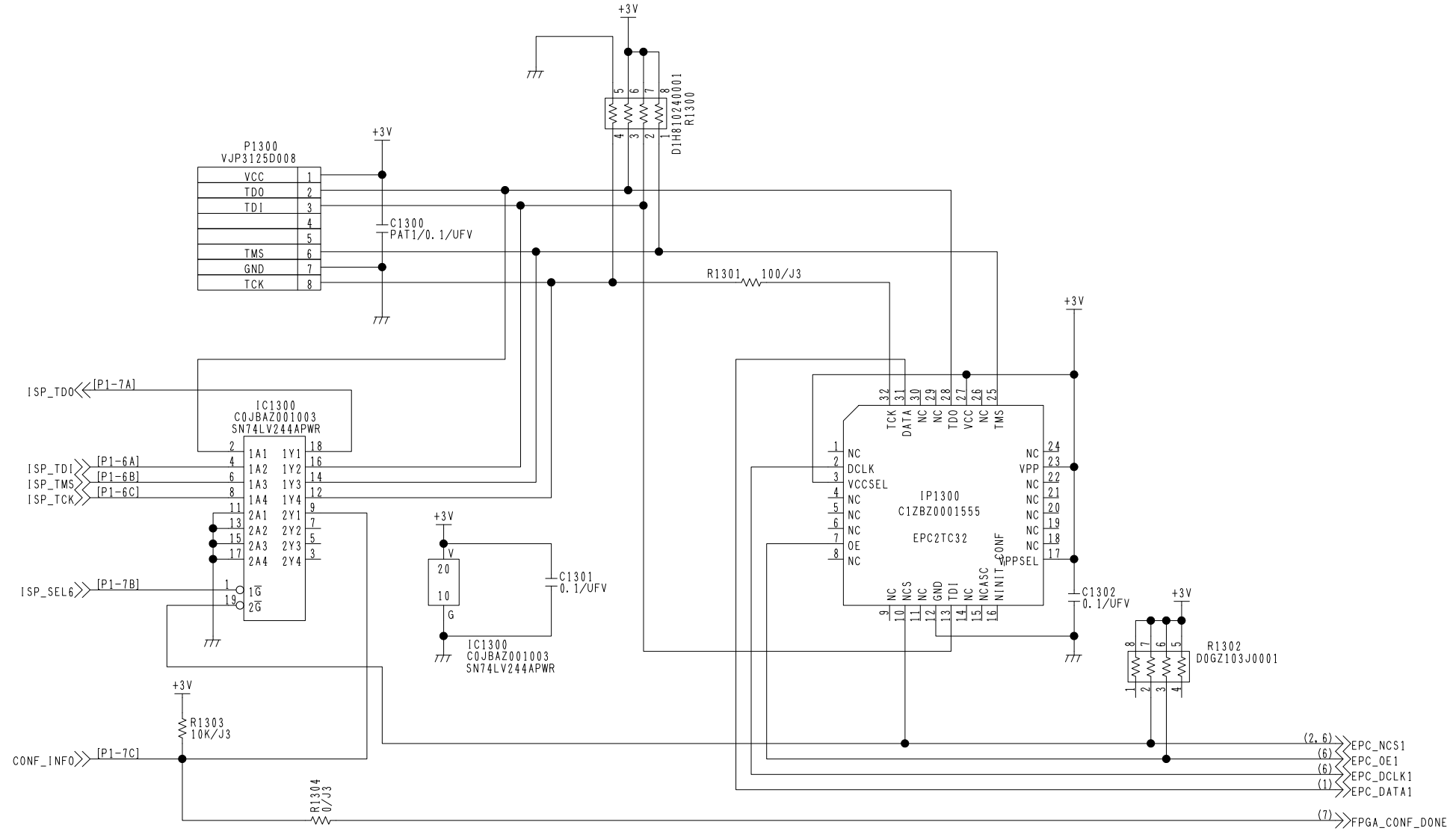


COMPONENT NAME	F6: SYSCON(I/O BUFF1)	11/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326B/C		KR6V33 (11/13) (0)
		SCM093



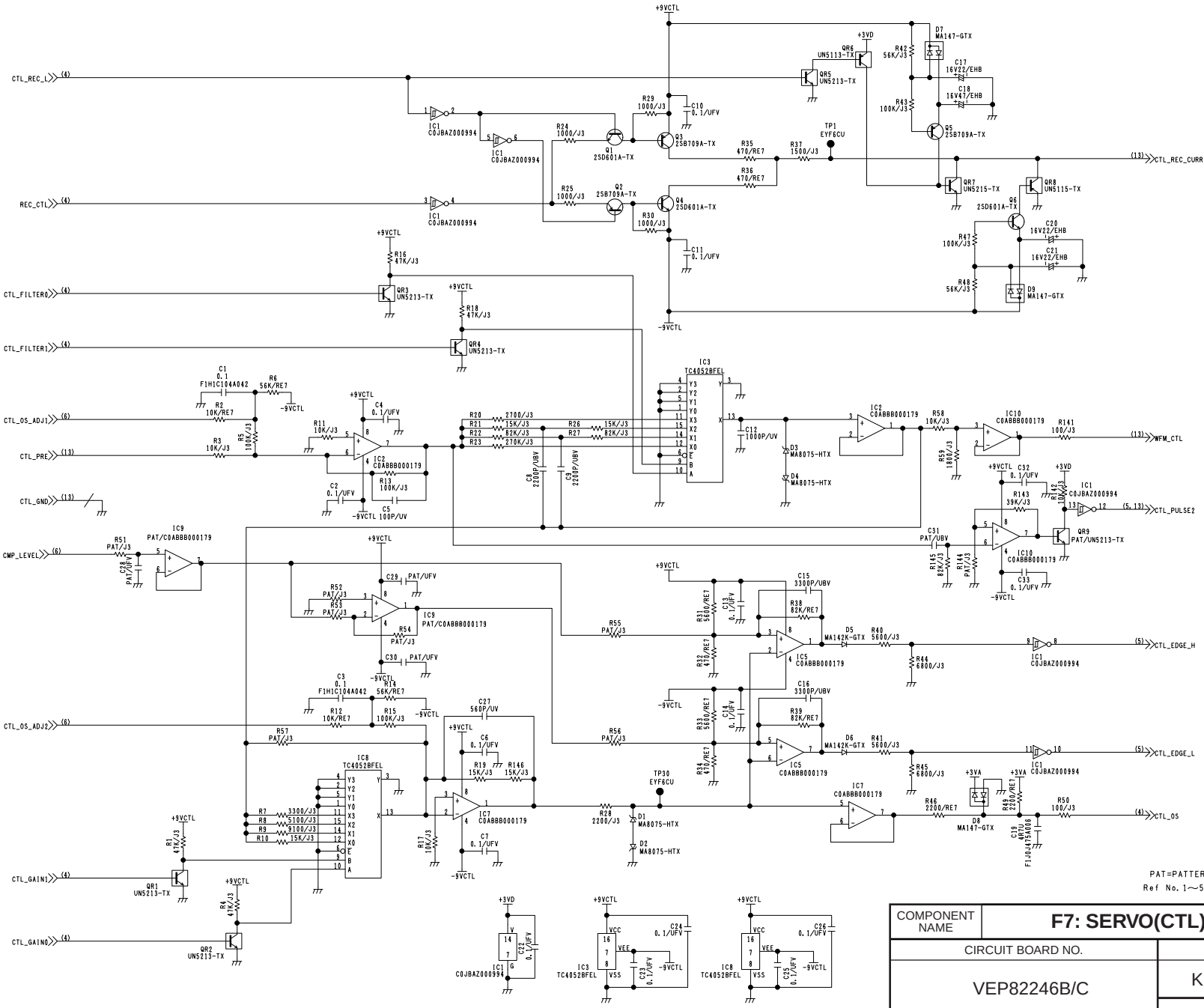
PAT=PATTERN ONLY
Ref No. 1200 Series.

COMPONENT NAME	F6: SYSCON(I/O BUFF2)	12/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326B/C		KR6V33 (12/13) (0)
		SCM094

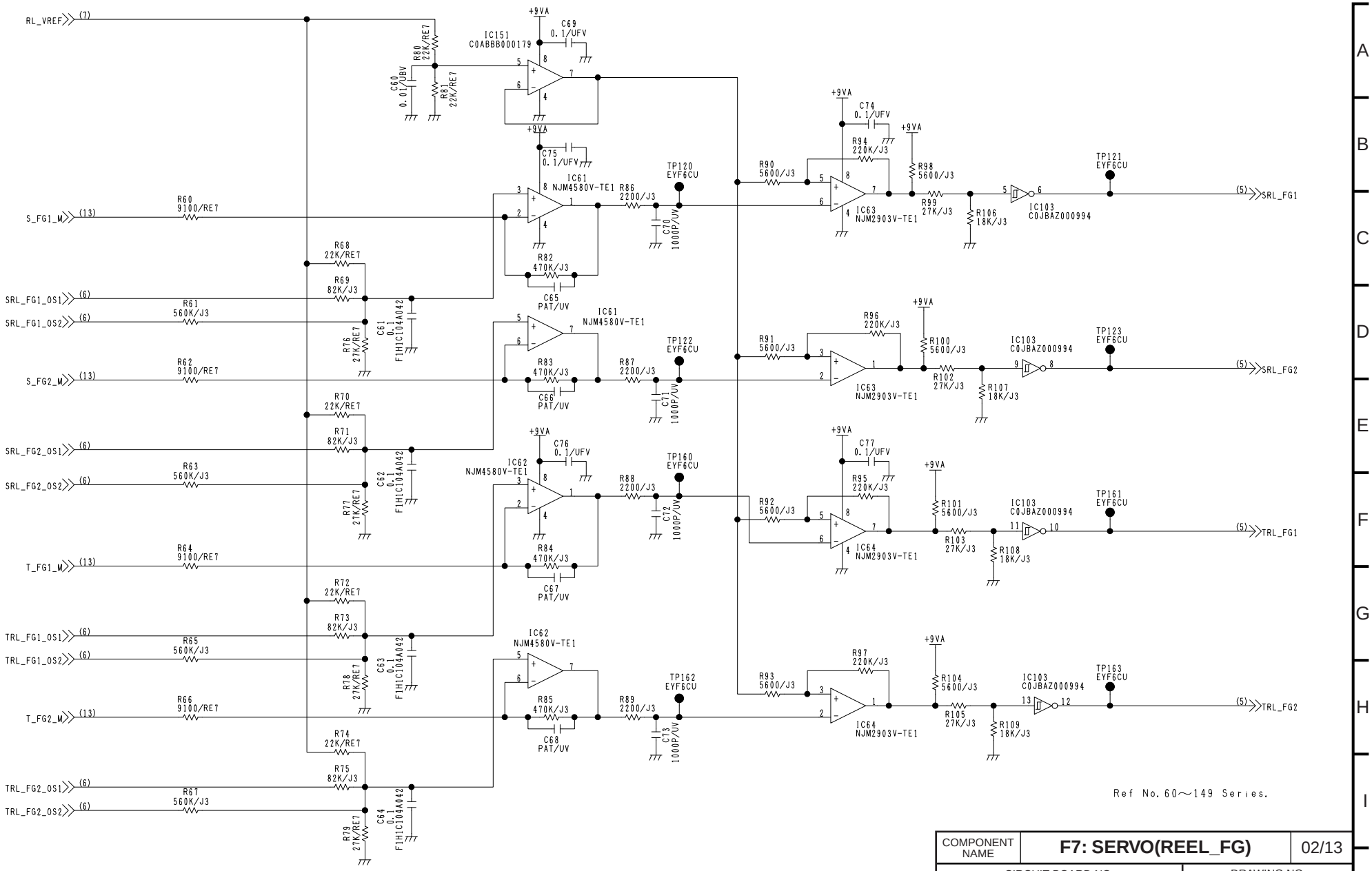


PAT=PATTERN ONLY
Ref No. 1300 Series.

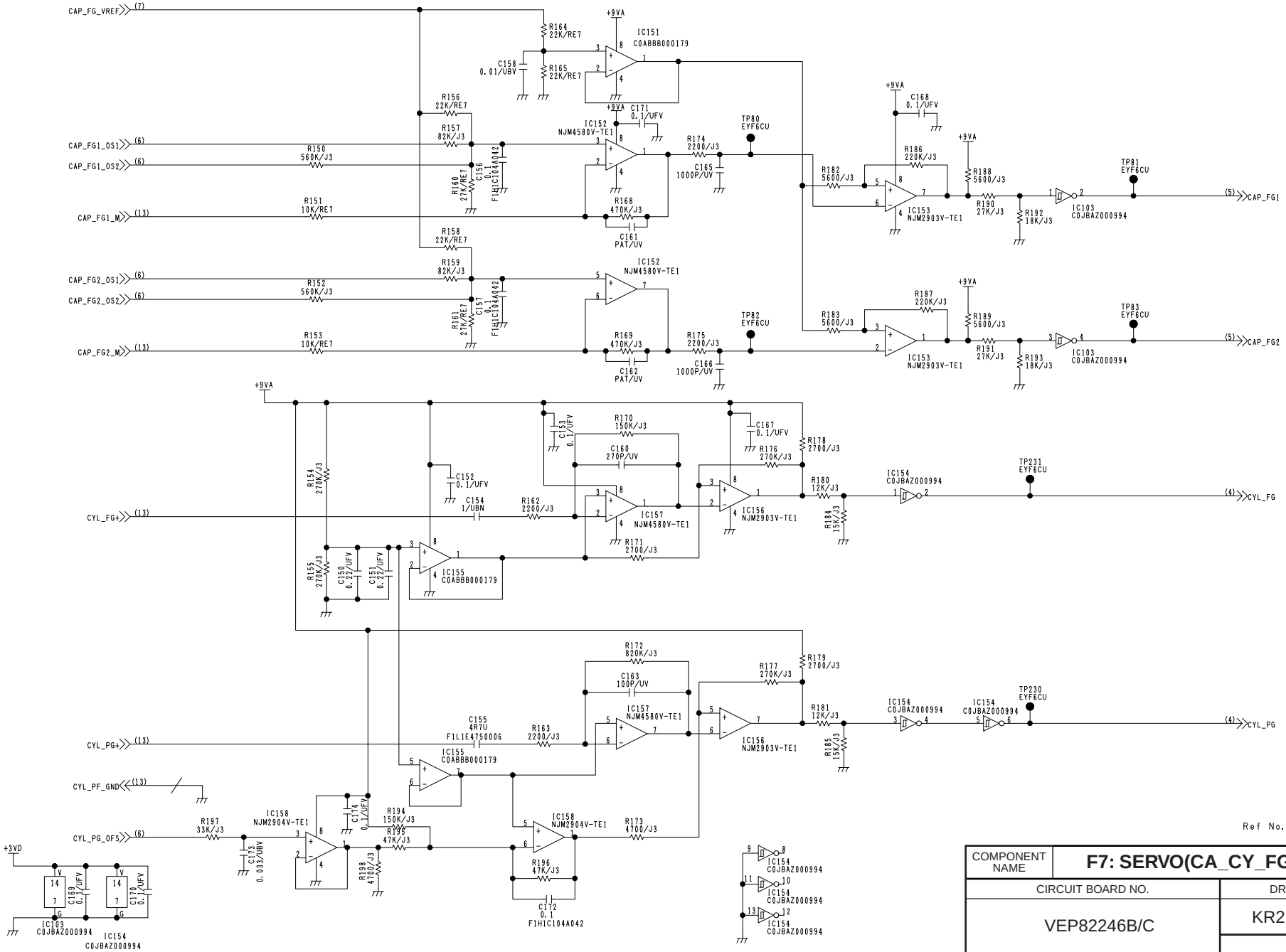
COMPONENT NAME	F6: SYSCON(ISP)	13/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326B/C		KR6V33 (13/13) (0)
		SCM095



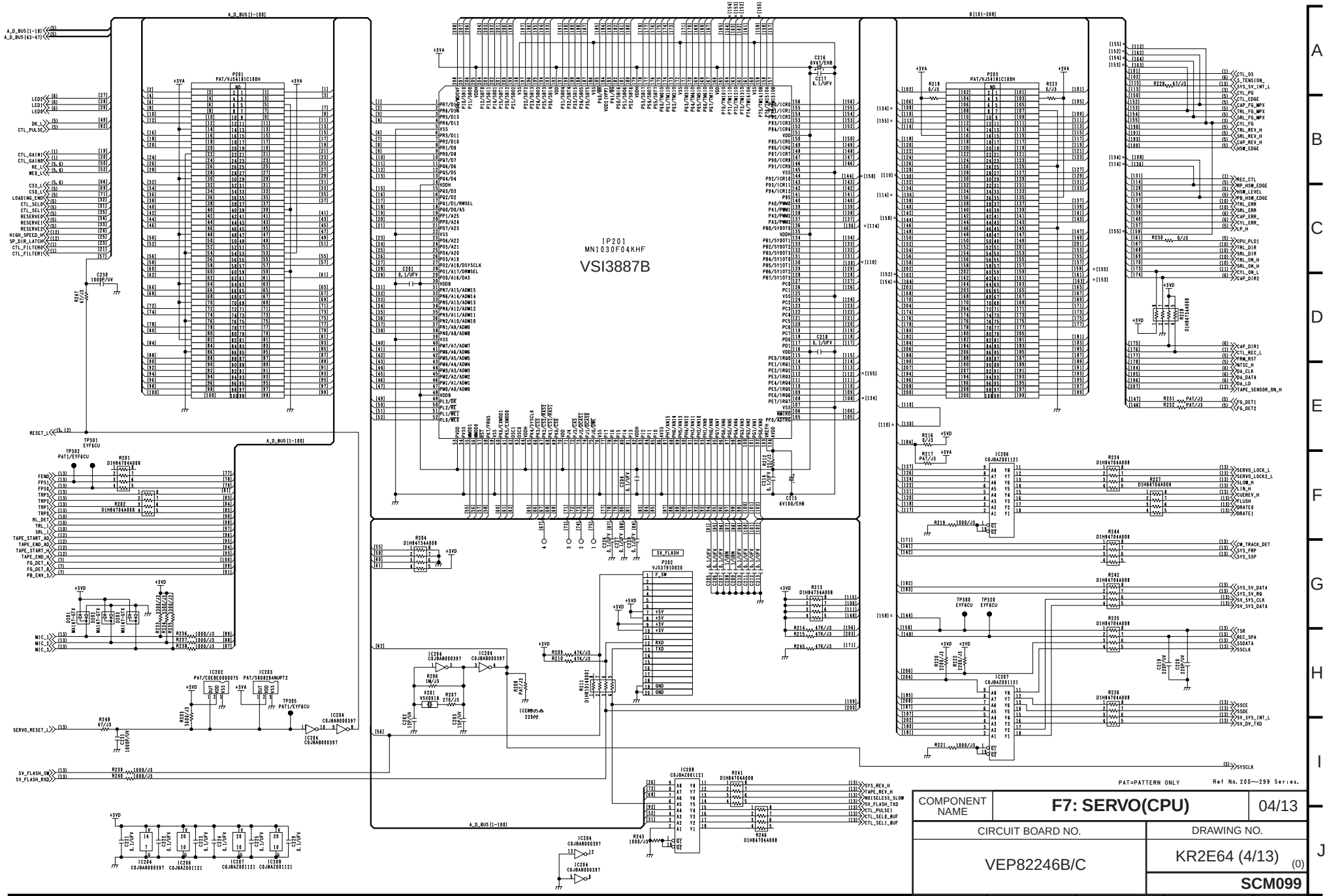
COMPONENT NAME	**F7: SERVO(CTL)**	01/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246B/C		KR2E64 (1/13) (0)
		SCM096



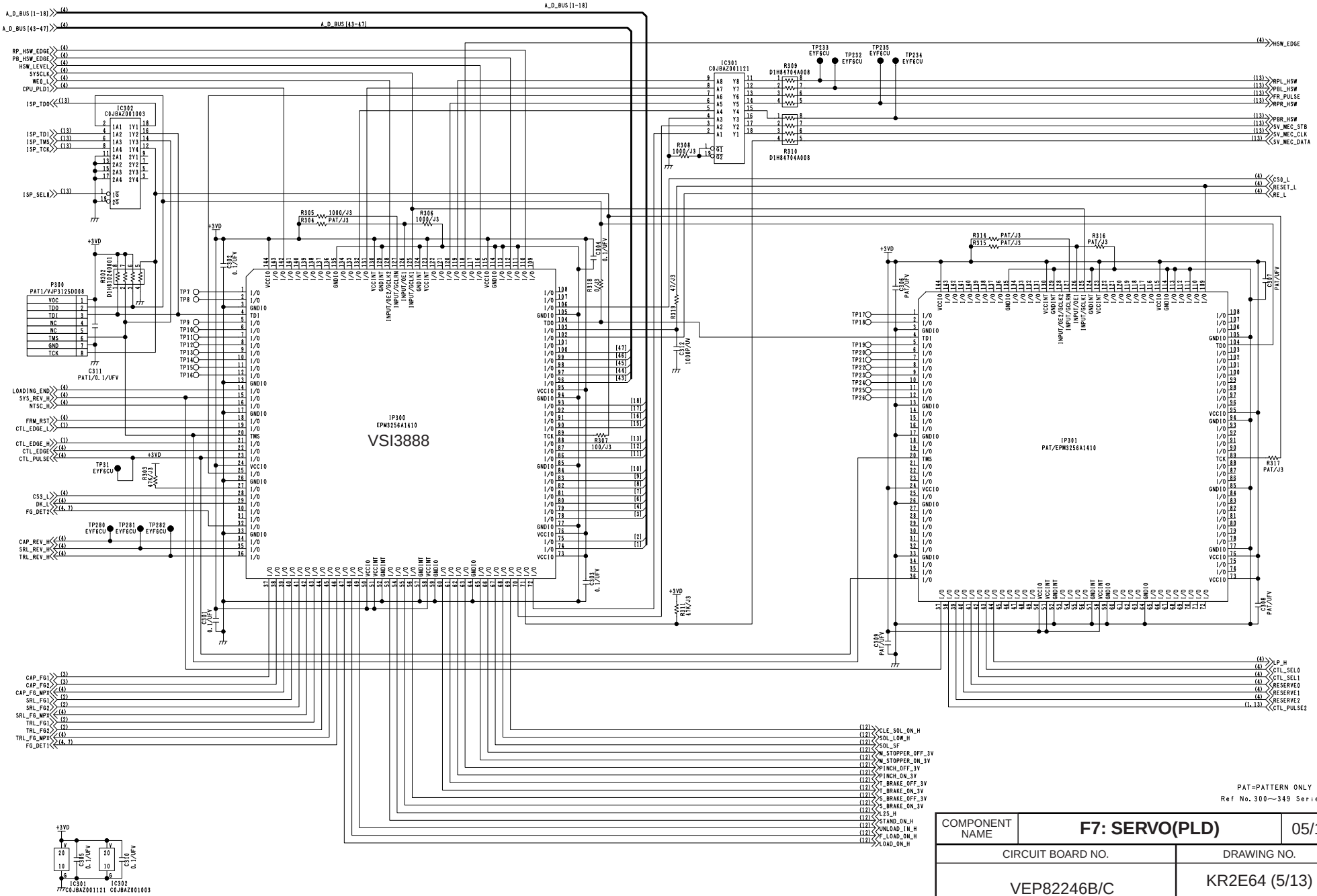
COMPONENT NAME	**F7: SERVO(REEL_FG)**	02/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (2/13) (0)	
	SCM097	



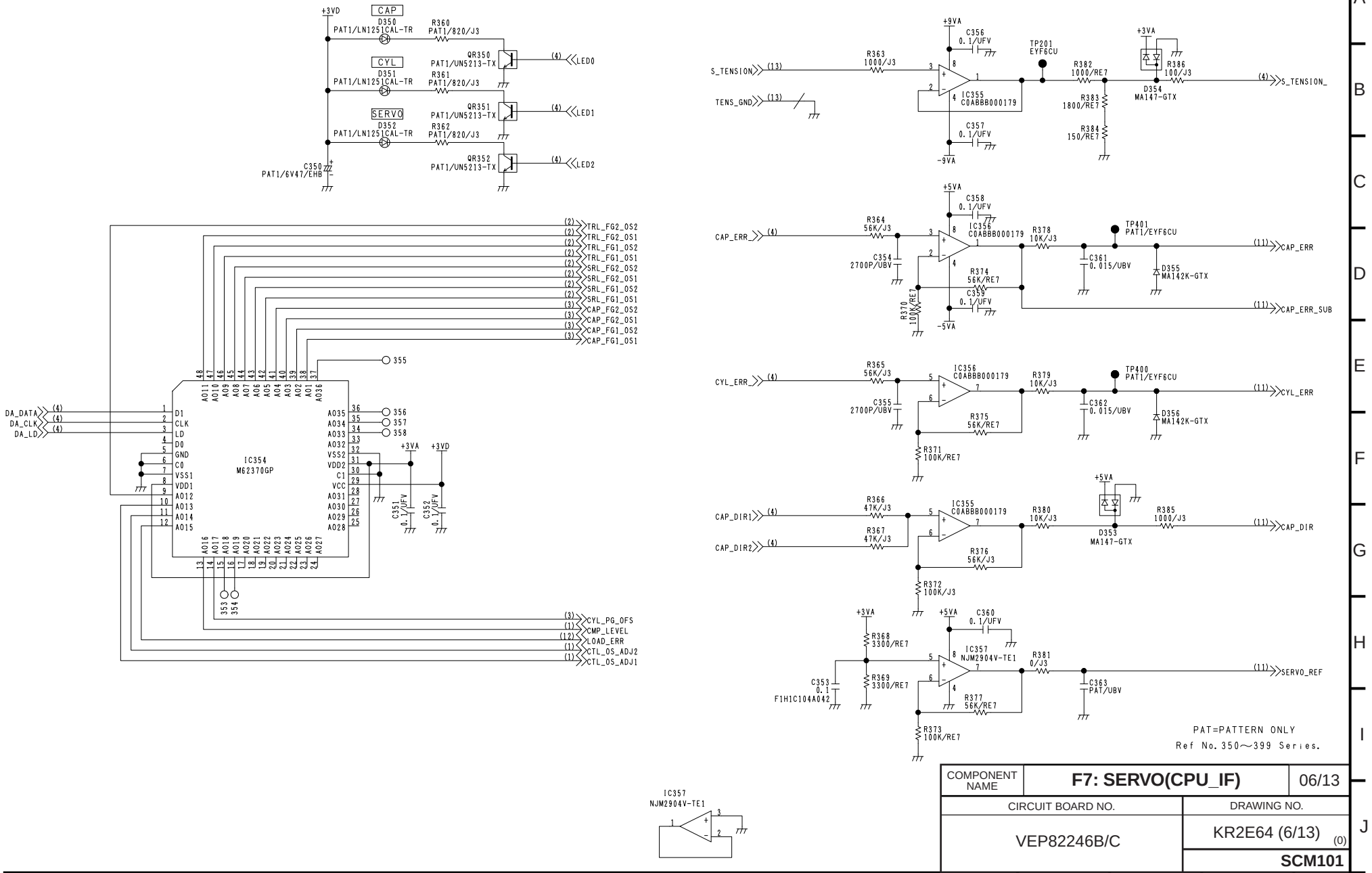
COMPONENT NAME	F7: SERVO(CA_CY_FG)	03/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (3/13) (0)	
	SCM098	



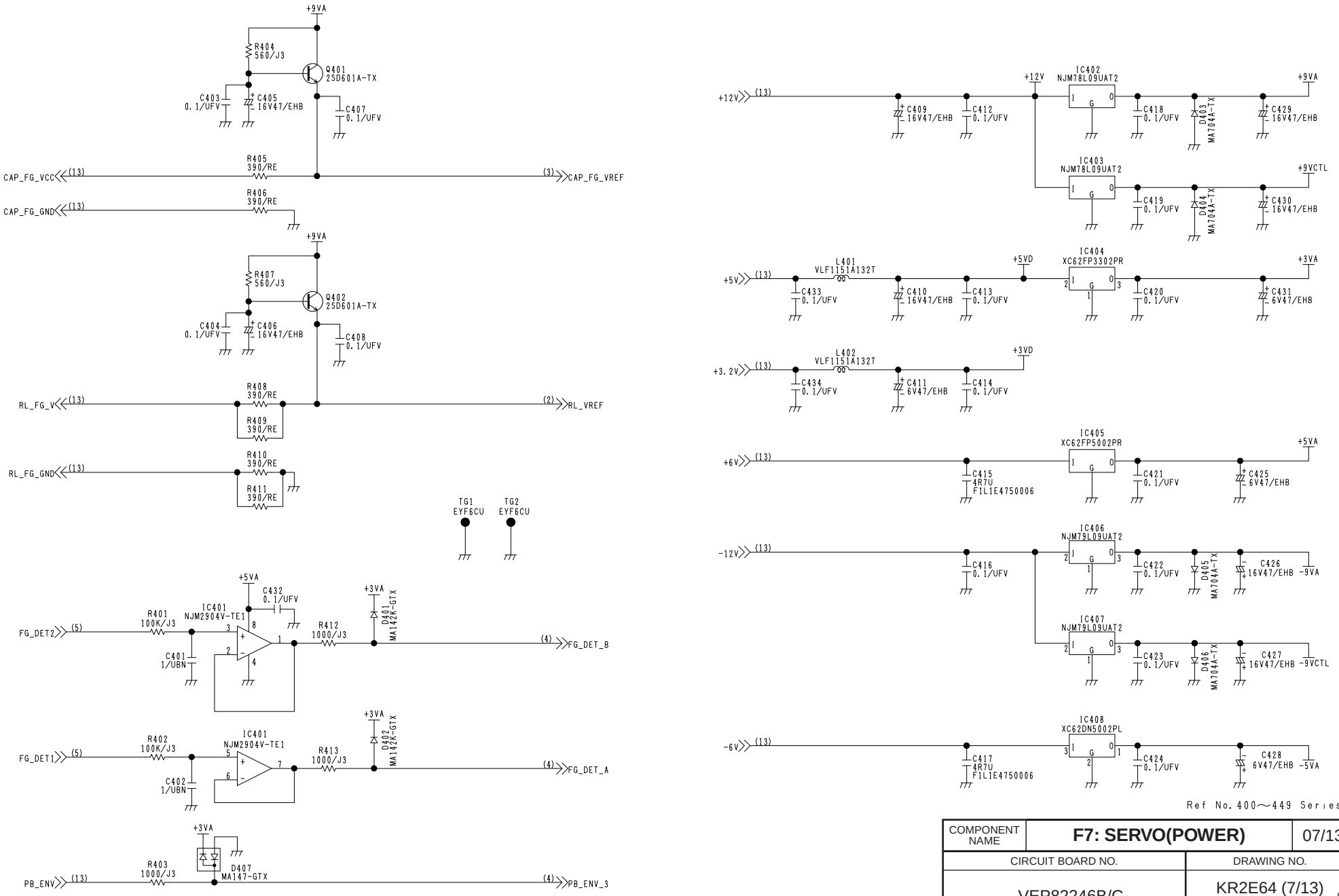
COMPONENT NAME	F7: SERVO(CPU)	04/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (4/13) (0)	
	SCM099	



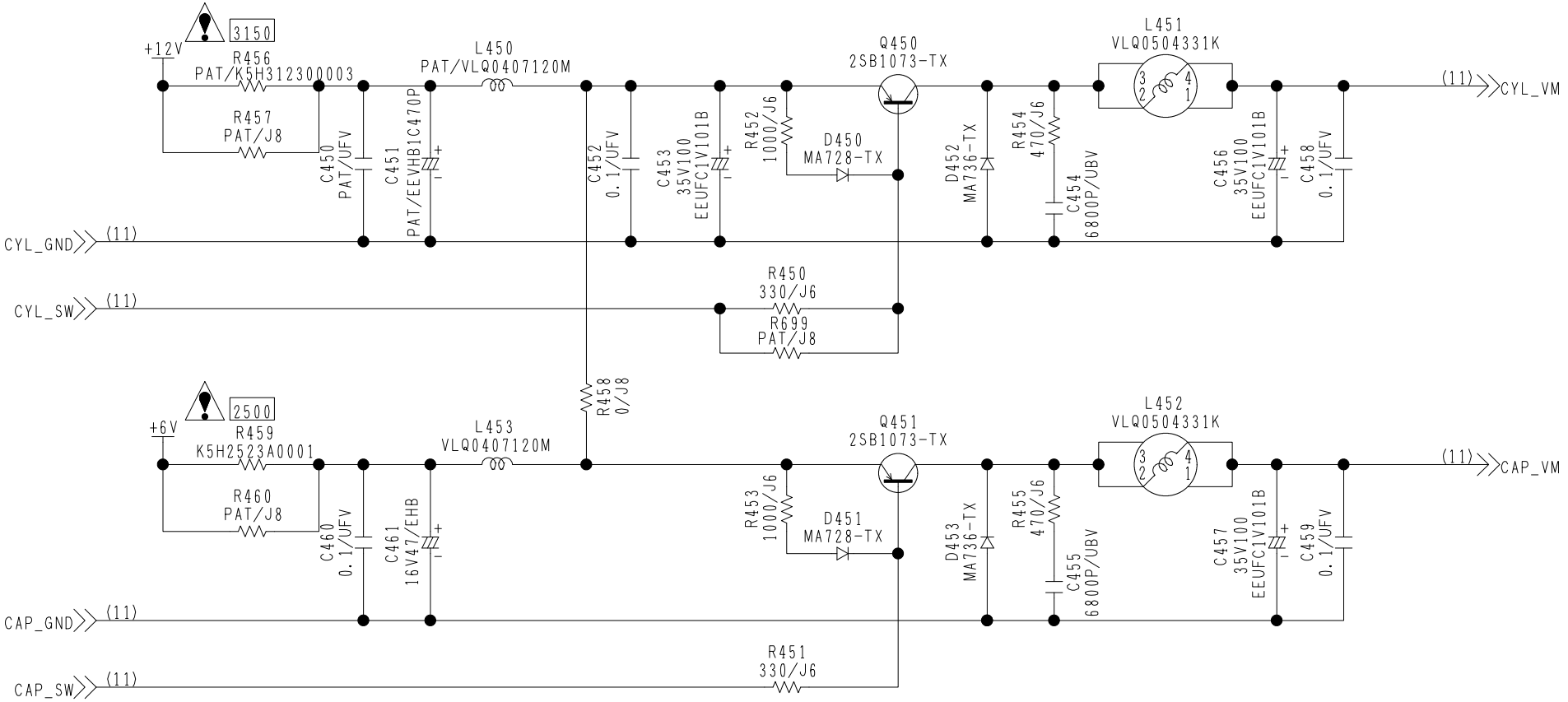
COMPONENT NAME	**F7: SERVO(PLD)**	05/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (5/13) (0)	
	SCM100	



COMPONENT NAME	F7: SERVO(CPU_IF)	06/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (6/13) (0)	
	SCM101	



COMPONENT NAME	F7: SERVO(POWER)	07/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246B/C		KR2E64 (7/13) (0)
		SCM102



PAT=PATTERN ONLY

Ref No. 450 Series.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

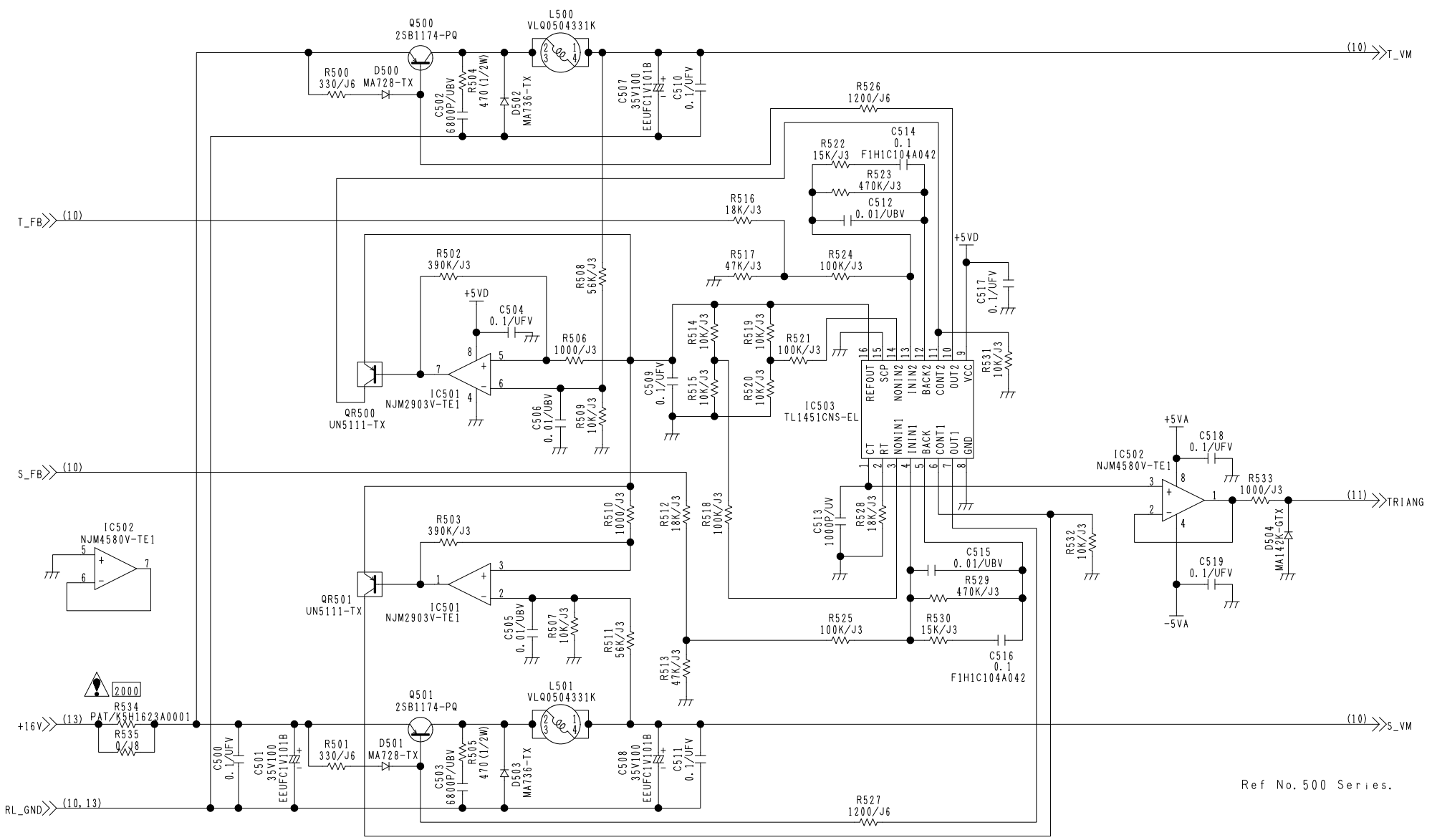
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	F7: SERVO(SW2)	08/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246B/C		KR2E64 (8/13) (0)
		SCM103

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

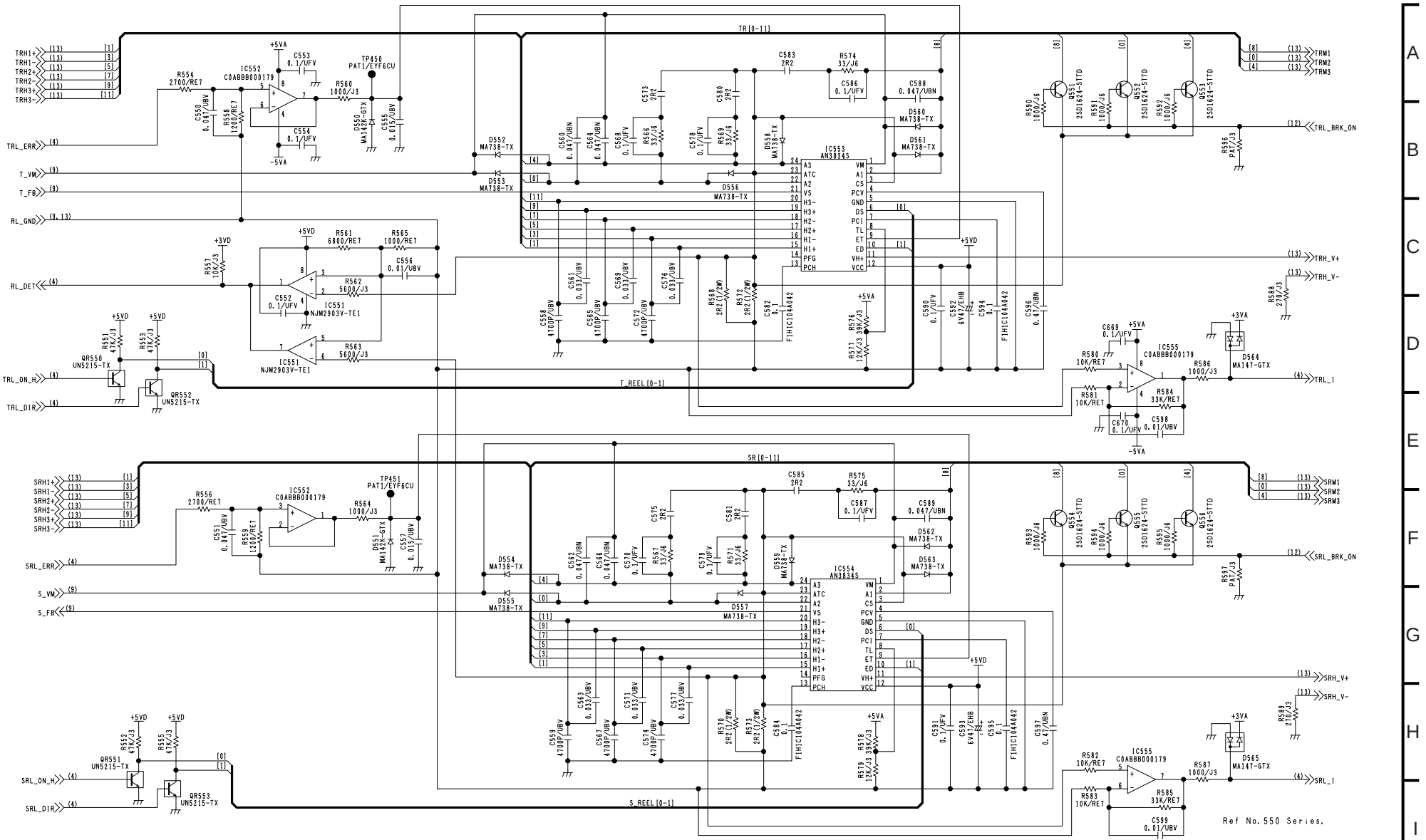


IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

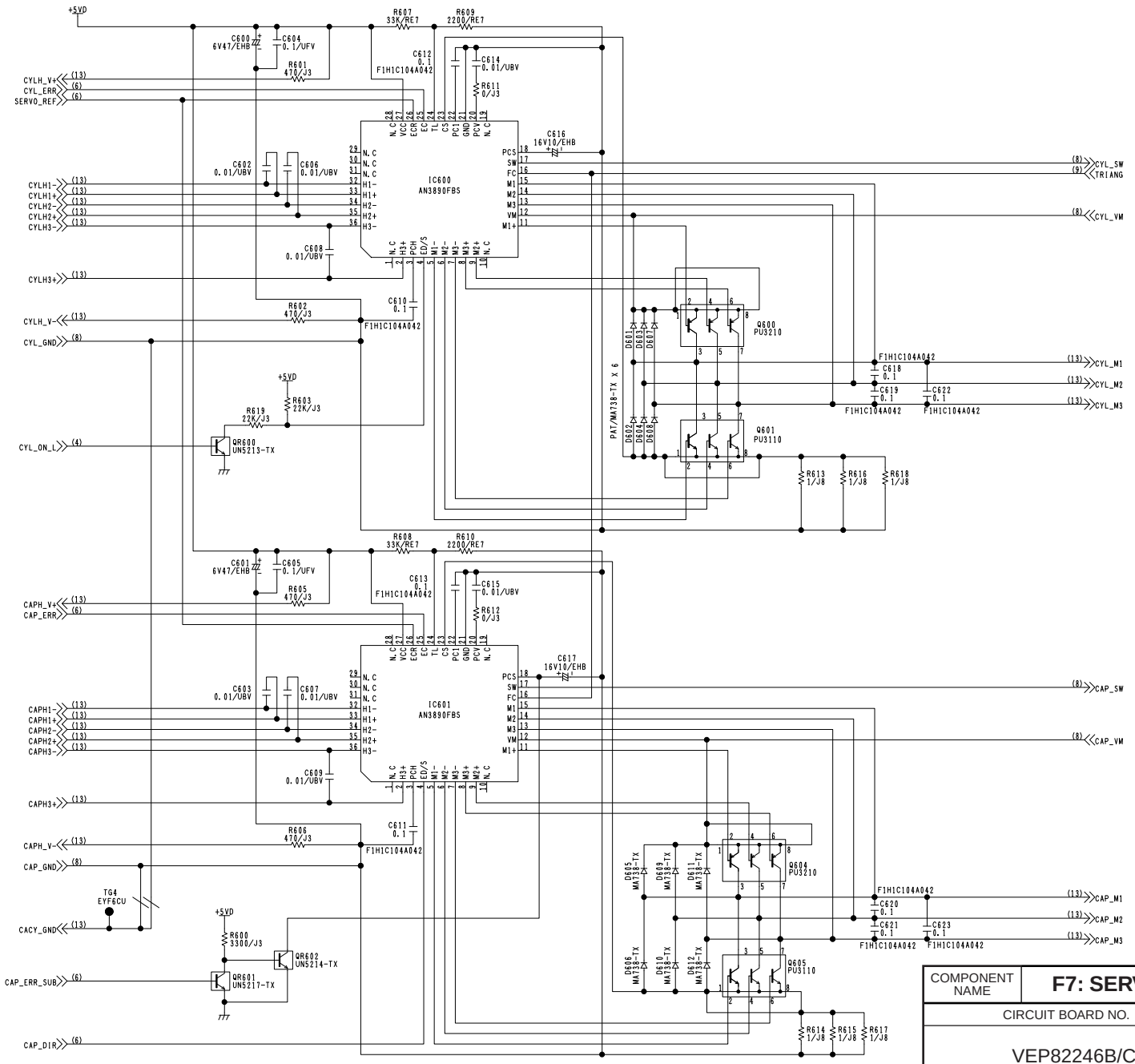
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

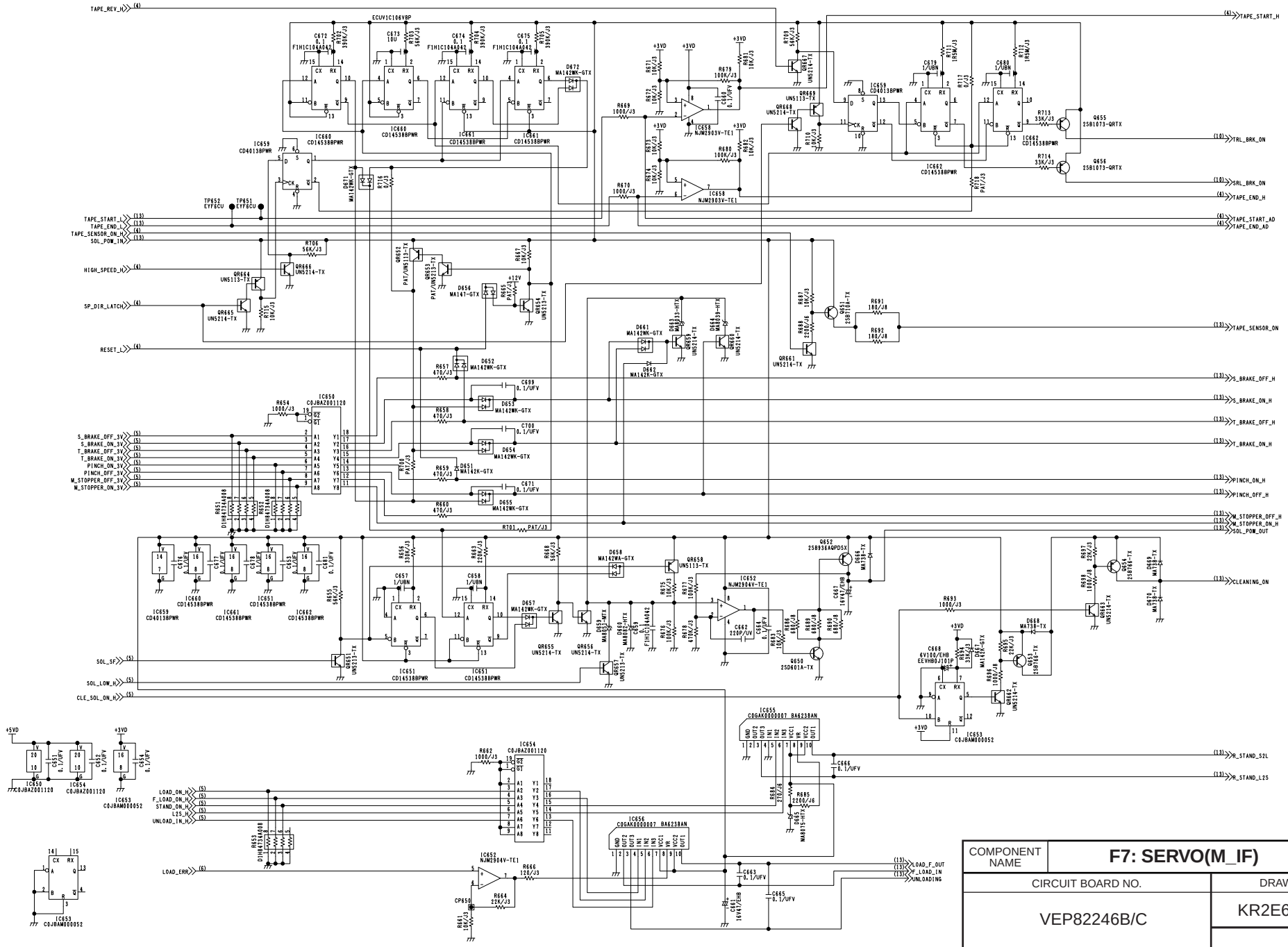
COMPONENT NAME	F7: SERVO(SW1)	09/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246B/C		KR2E64 (9/13) (0)
		SCM104



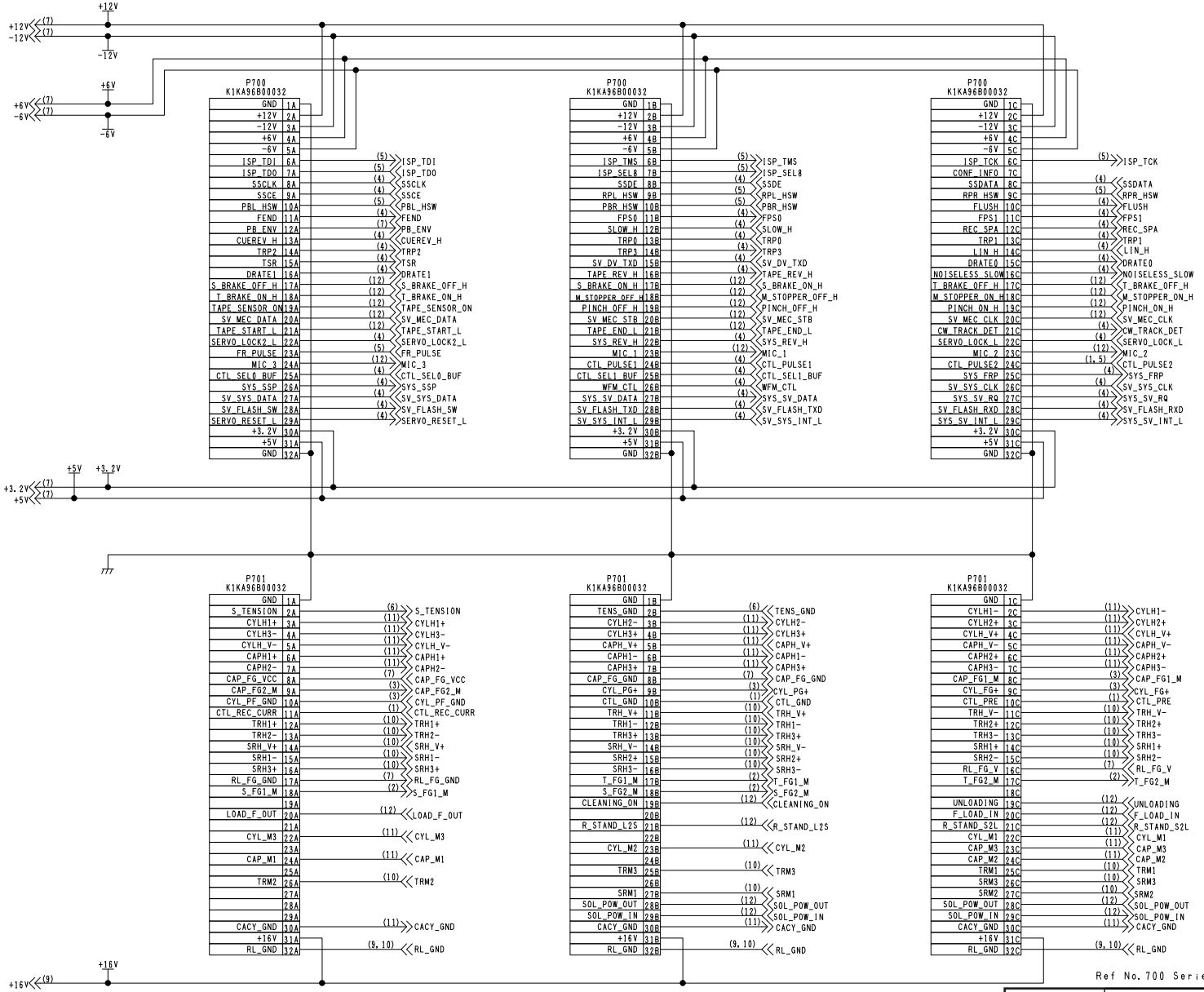
COMPONENT NAME	F7: SERVO(RL_DRV)	10/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246B/C		KR2E64 (10/13) (0)
		SCM105



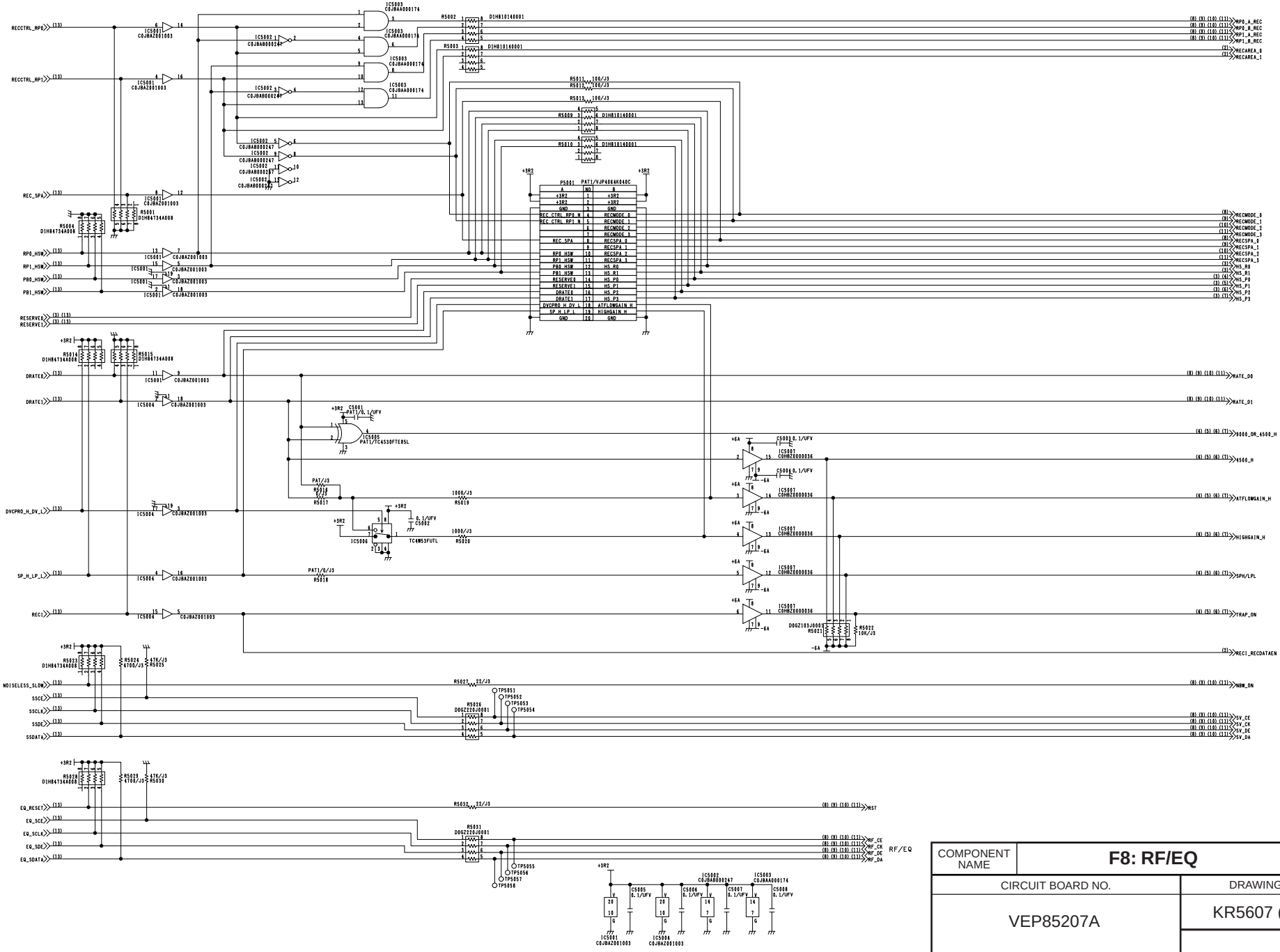
COMPONENT NAME	**F7: SERVO(CA_CY_DRV)**	11/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246B/C		KR2E64 (11/13) (0)
		SCM106



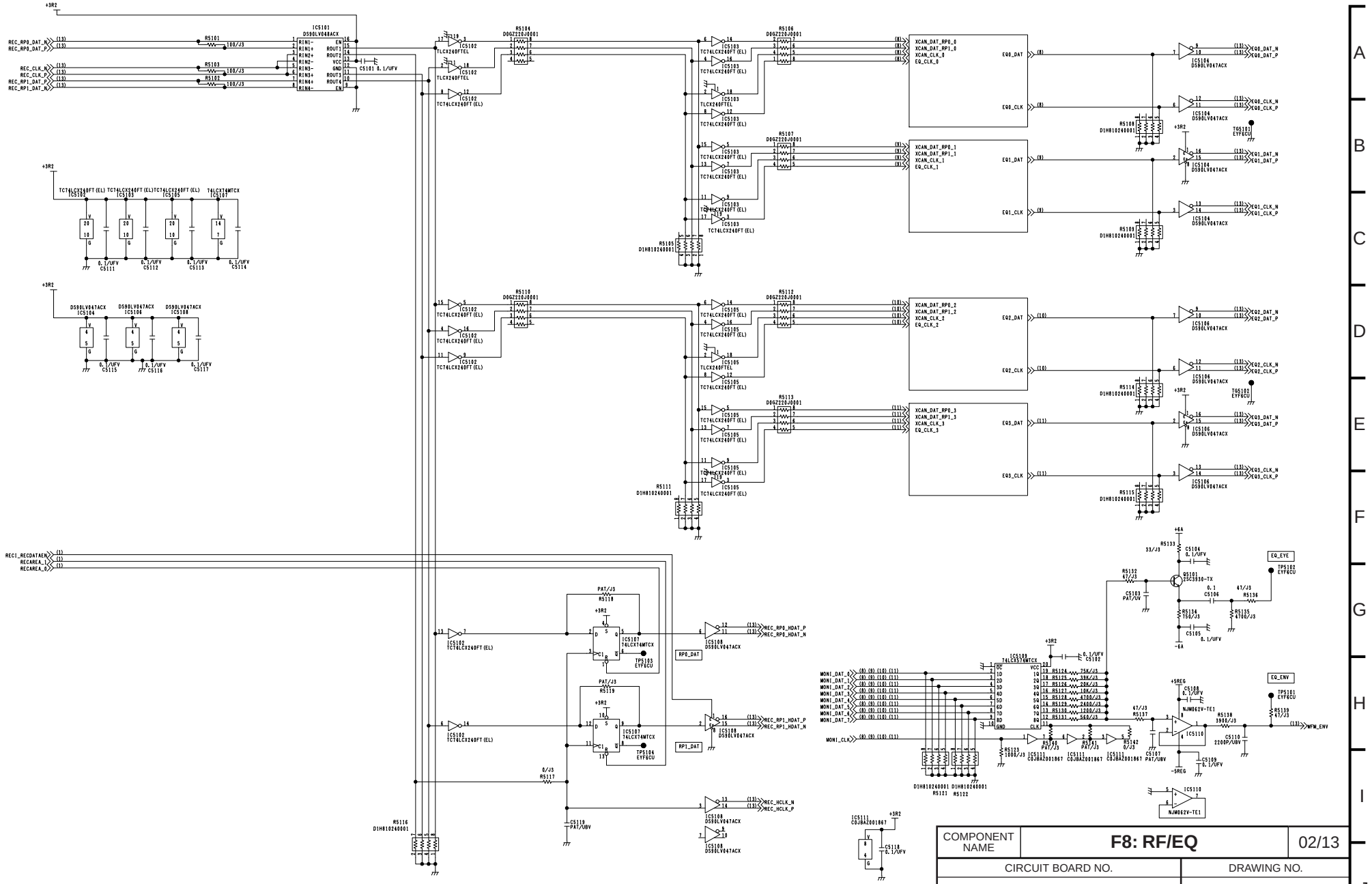
COMPONENT NAME	**F7: SERVO(M_IF)**	12/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (12/13) (0)	
	SCM107	



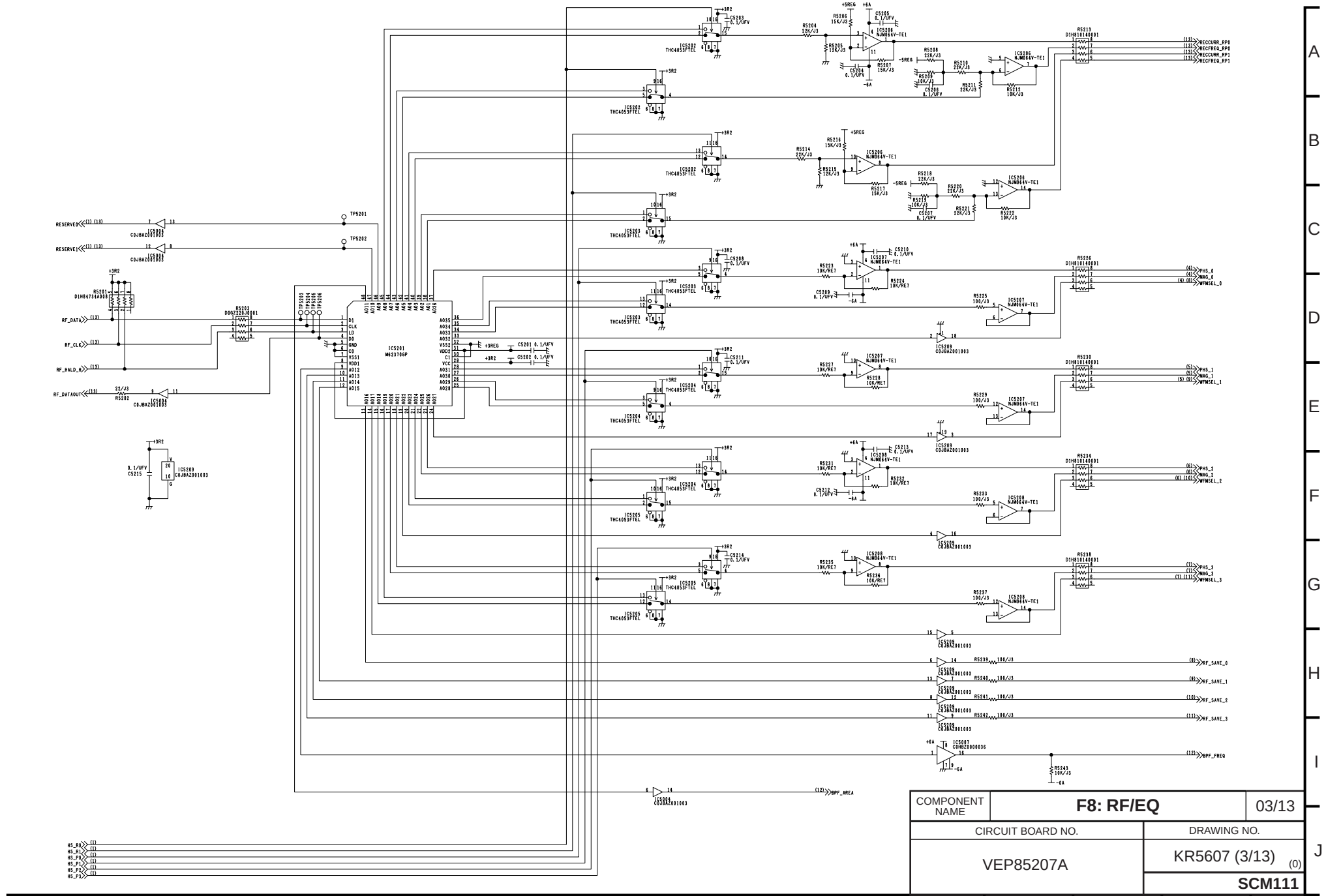
COMPONENT NAME	F7: SERVO	13/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246B/C		KR2E64 (13/13) (0)
		SCM108



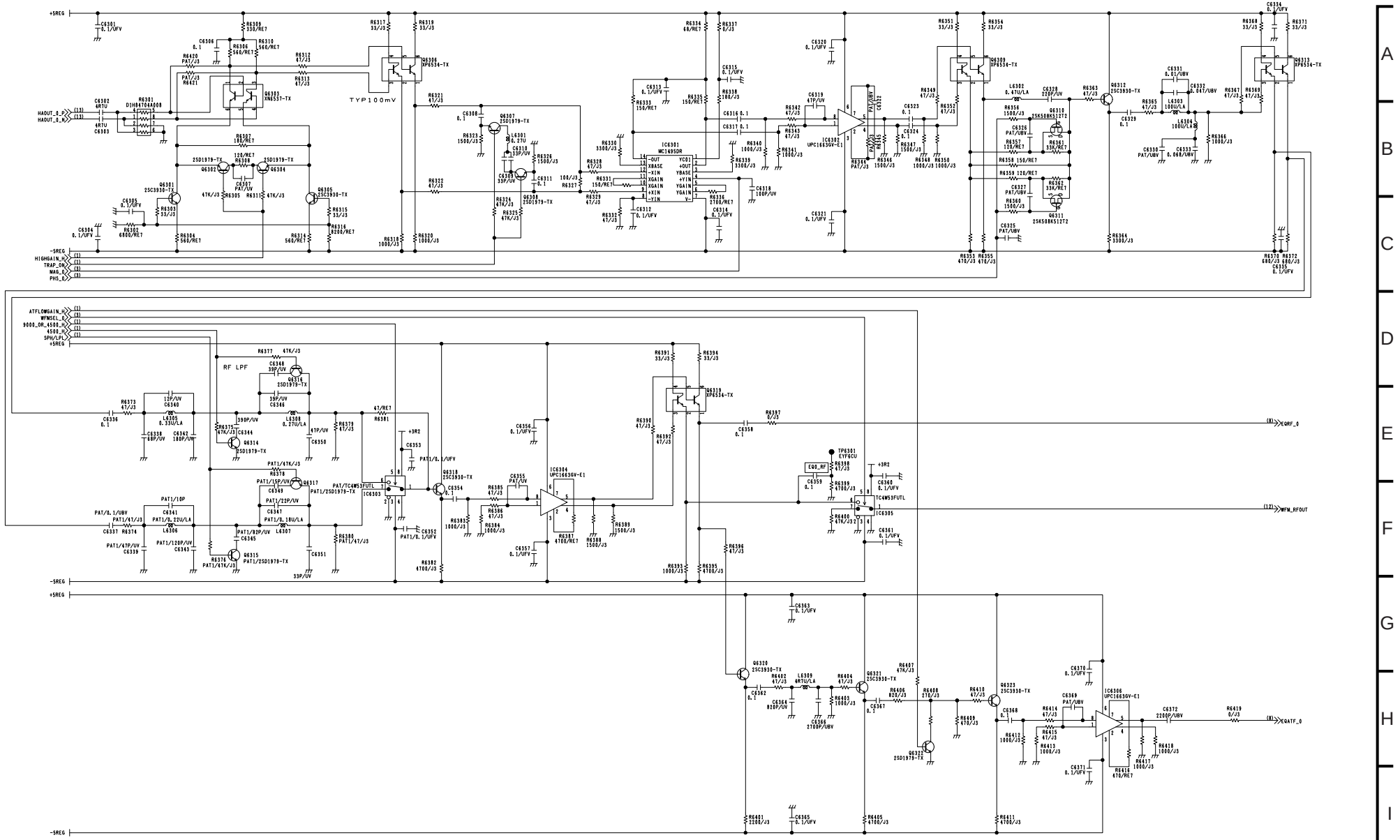
COMPONENT NAME	**F8: RF/EQ**	01/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85207A	KR5607 (1/13) (0)	
	SCM109	



COMPONENT NAME	**F8: RF/EQ**	02/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207A		KR5607 (2/13) (0)
		SCM110



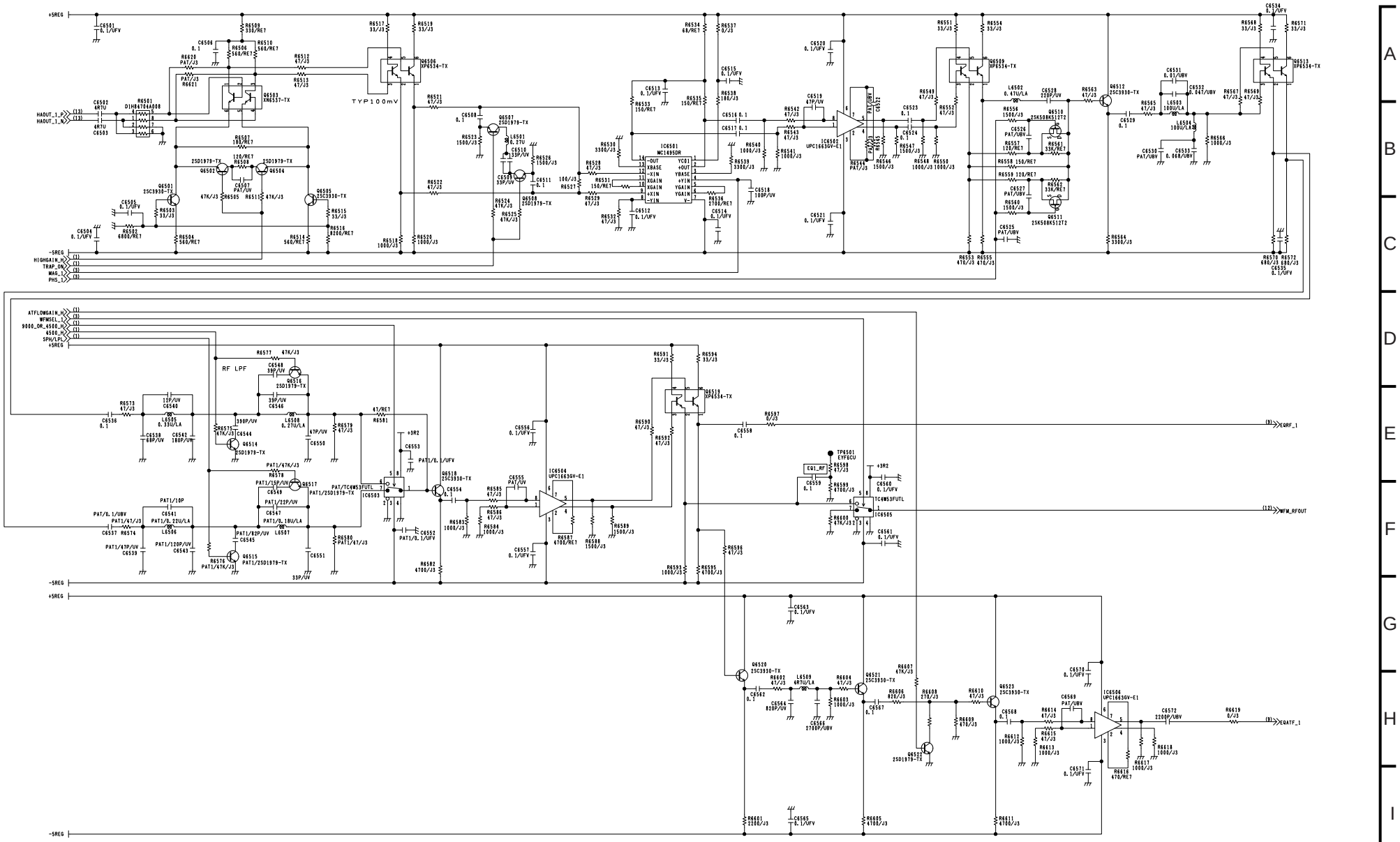
COMPONENT NAME	F8: RF/EQ	03/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207A		KR5607 (3/13) (0)
		SCM111



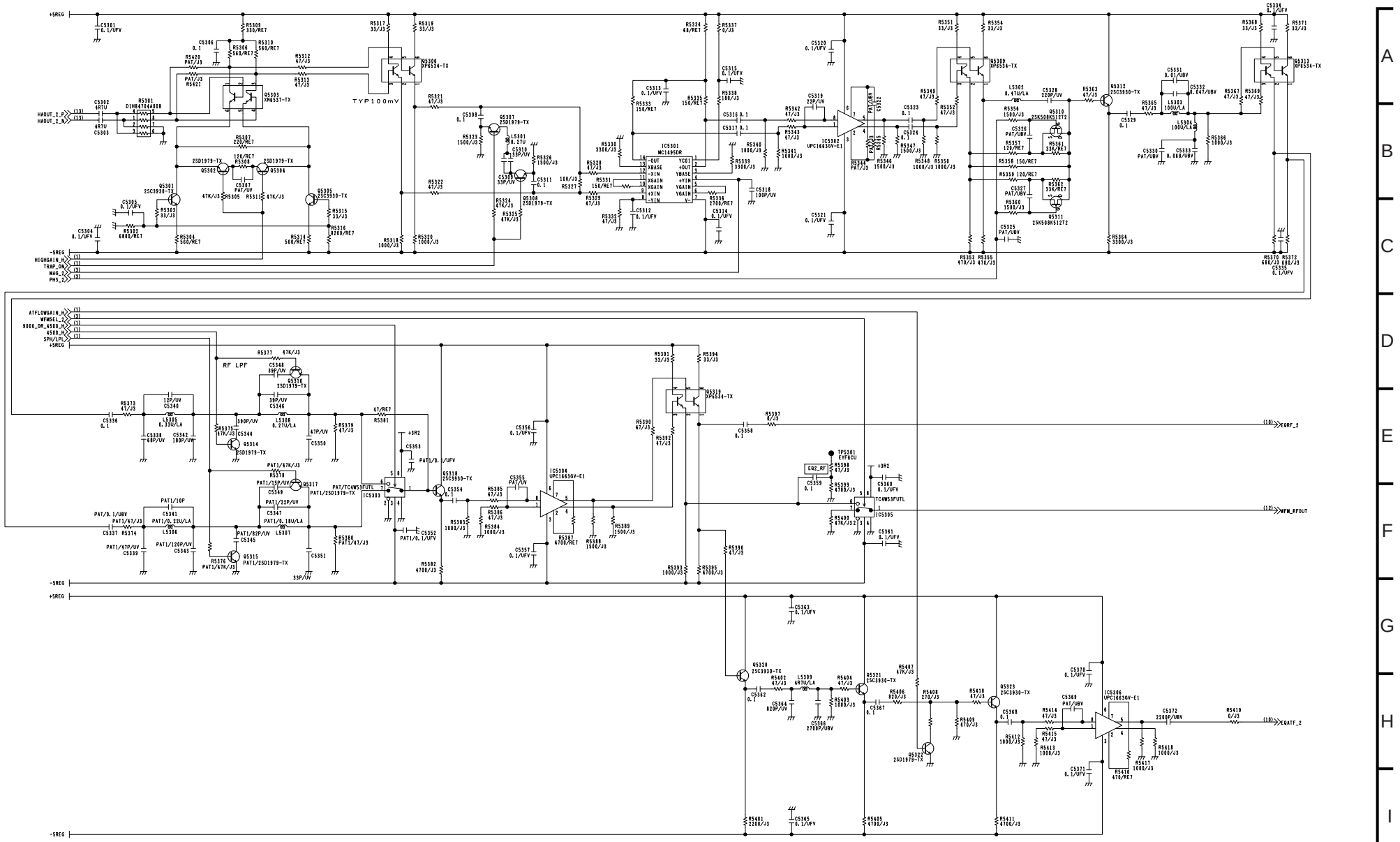
COMPONENT NAME	**F8: RF/EQ**	04/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207A		KR5607 (4/13) (0)
		SCM112

A B C D E F G H I J

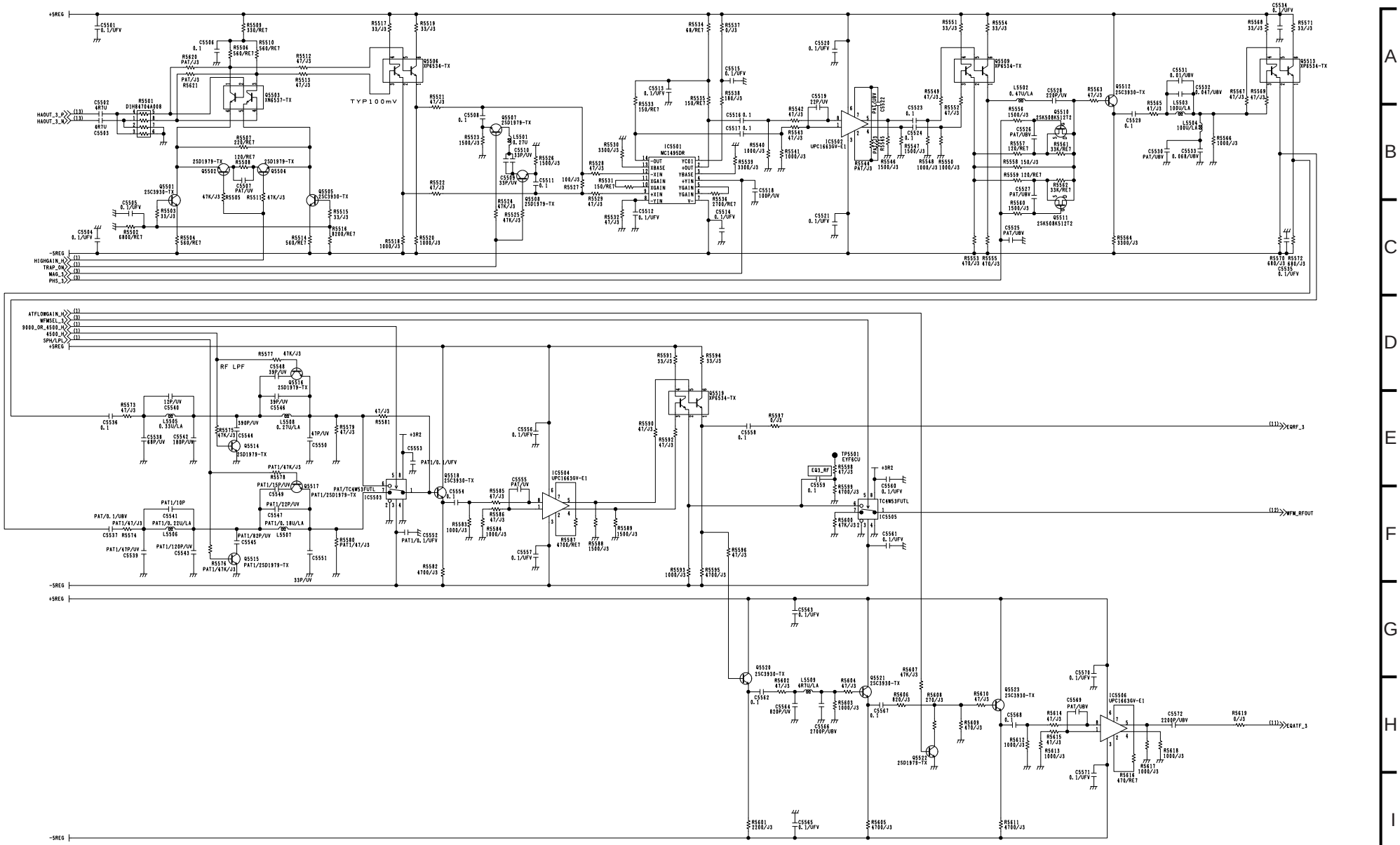
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	F8: RF/EQ	05/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207A		KR5607 (5/13) (0)
		SCM113



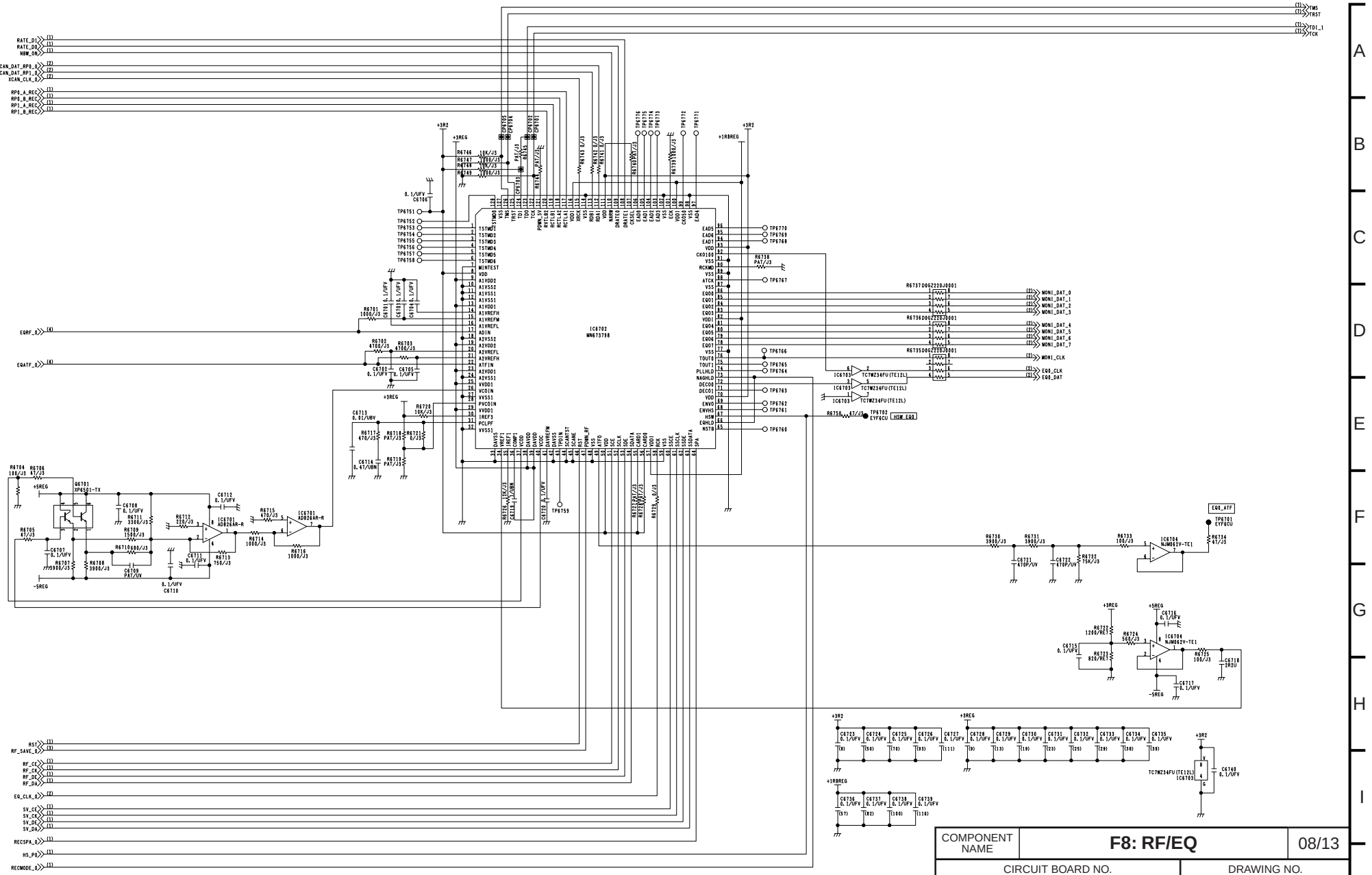
COMPONENT NAME	F8: RF/EQ	06/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207A		KR5607 (6/13) (0)
		SCM114



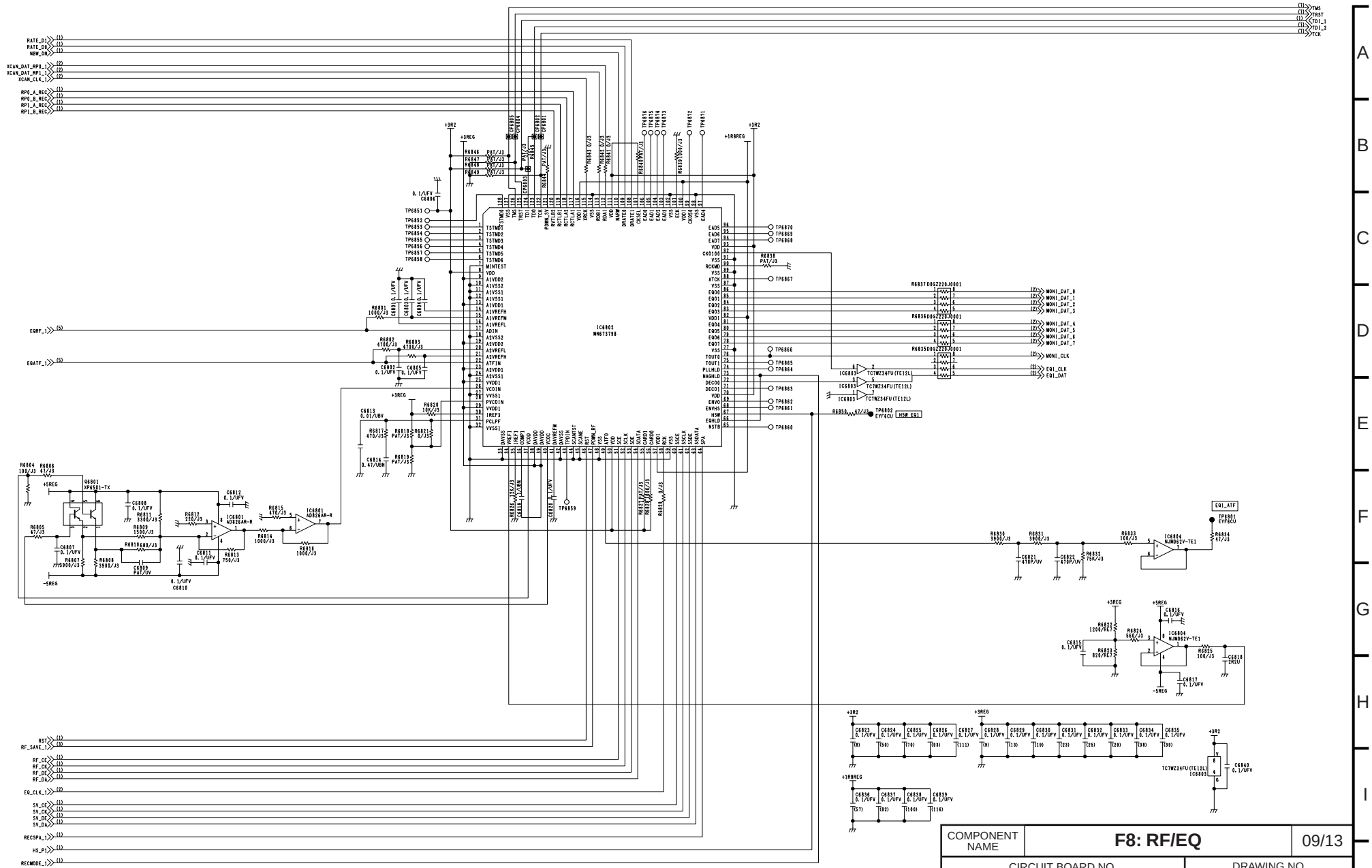
COMPONENT NAME	**F8: RF/EQ**	07/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85207A	KR5607 (7/13) (0)	
	SCM115	

A B C D E F G H I J

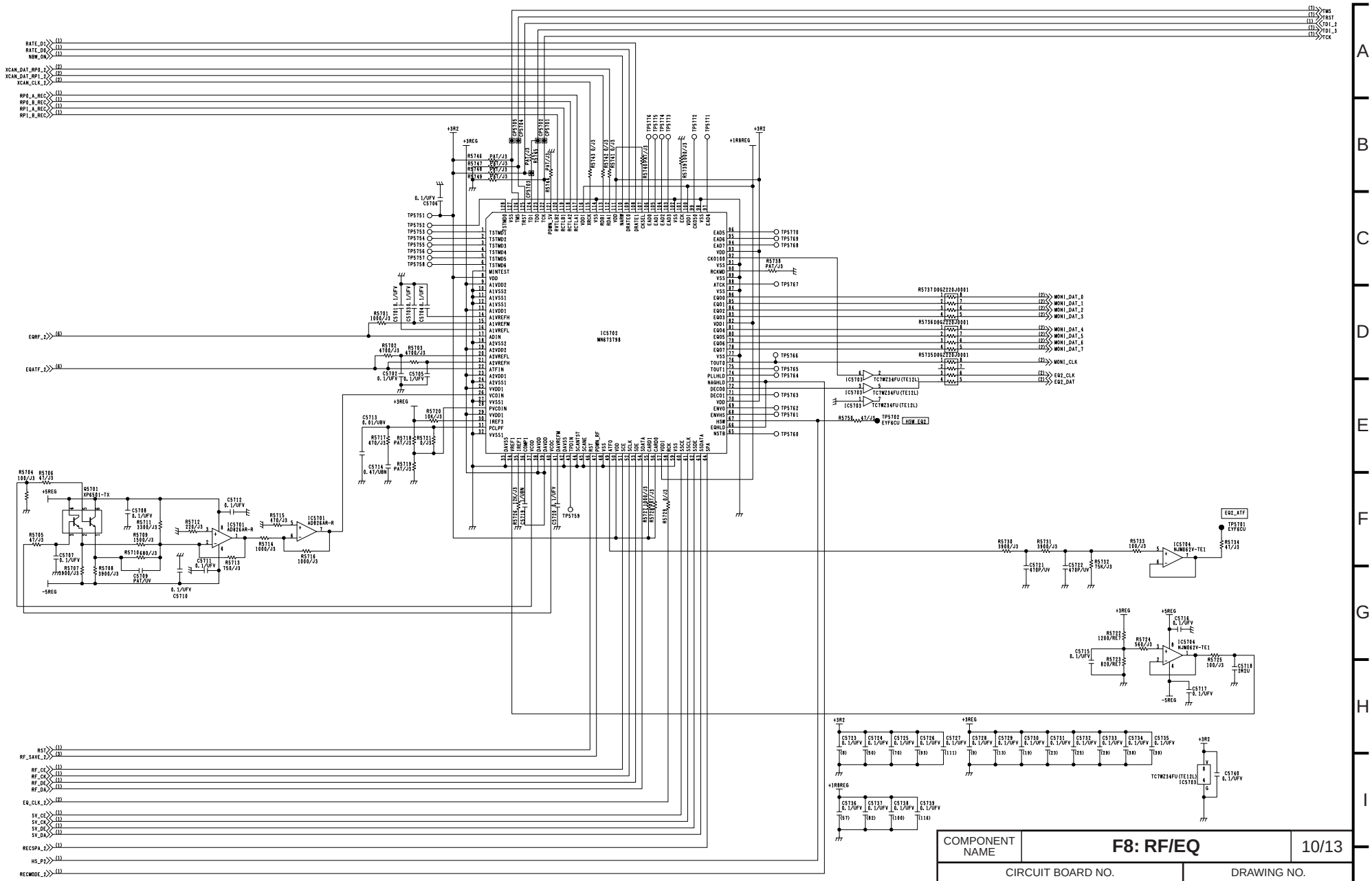
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



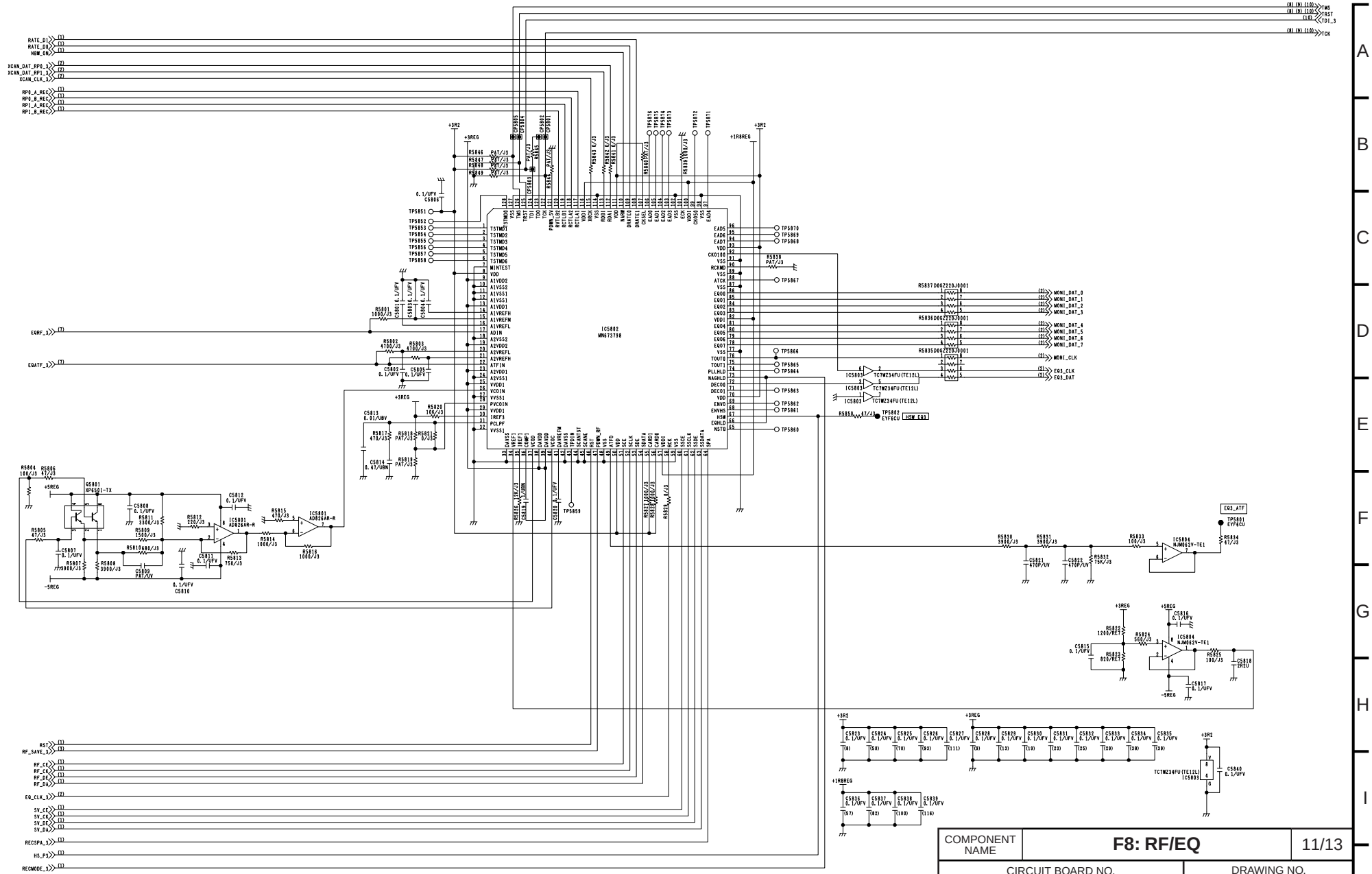
COMPONENT NAME	**F8: RF/EQ**	08/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207A		KR5607 (8/13) (0)
		SCM116



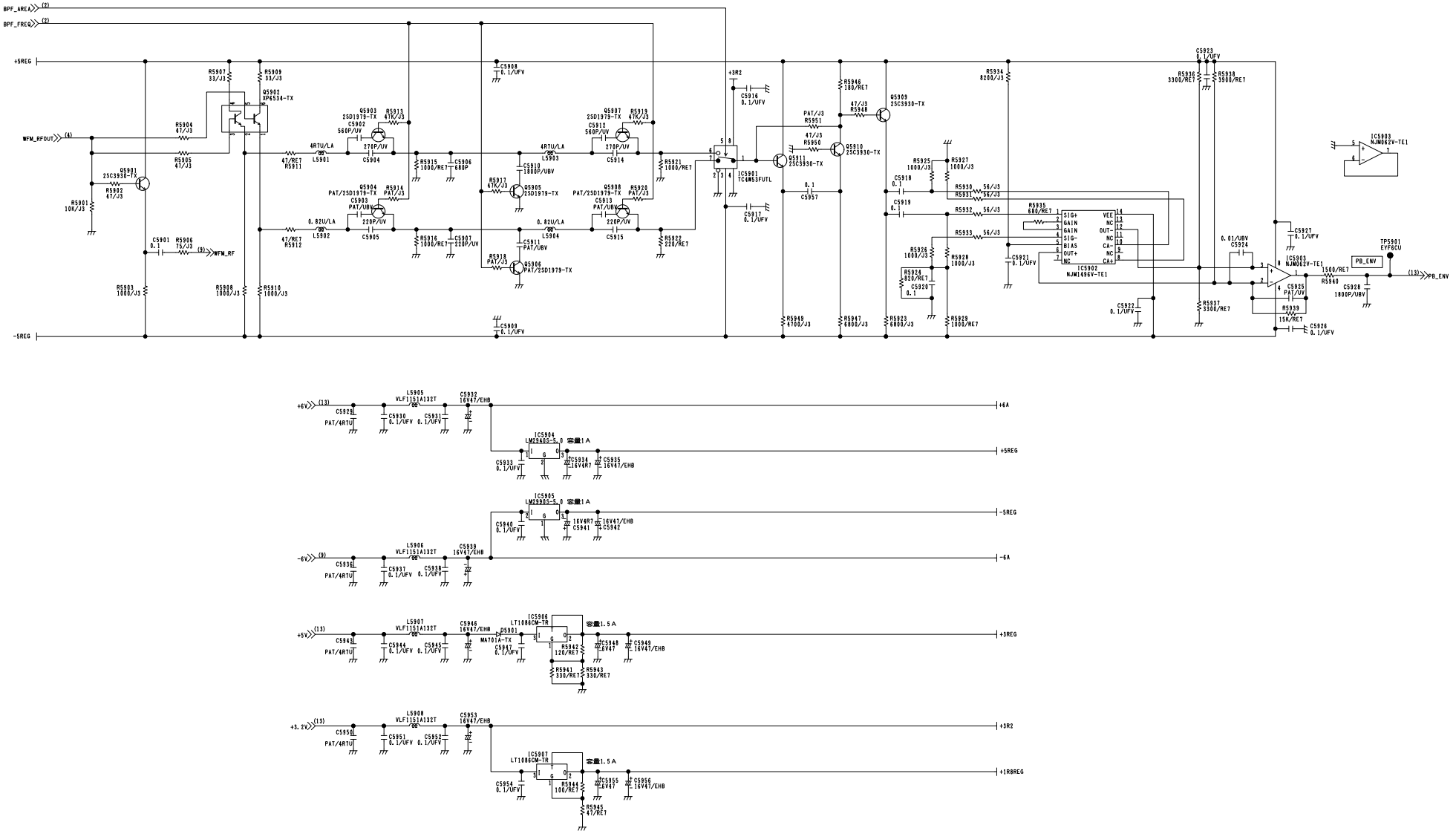
COMPONENT NAME	F8: RF/EQ	09/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207A		KR5607 (9/13) (0)
		SCM117



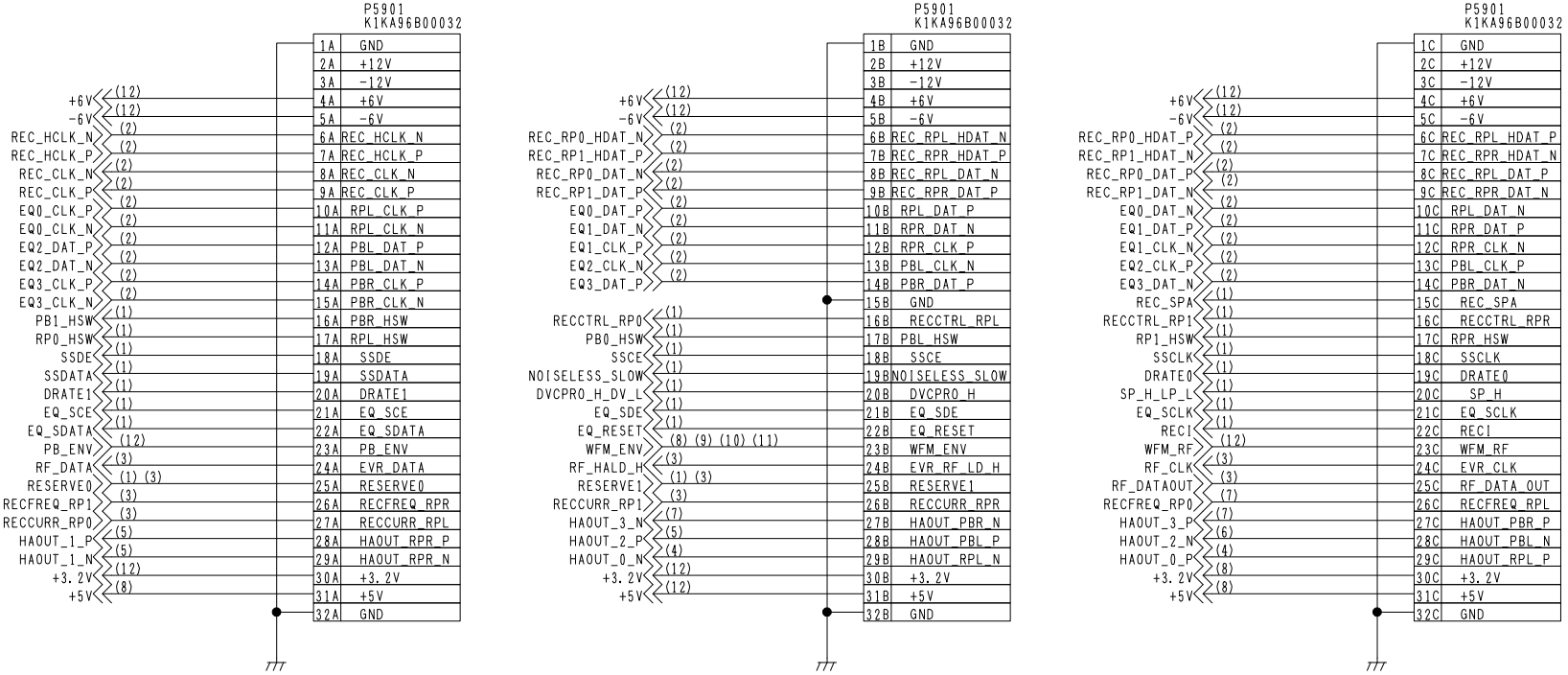
COMPONENT NAME	**F8: RF/EQ**	10/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207A		KR5607 (10/13) (0)
		SCM118



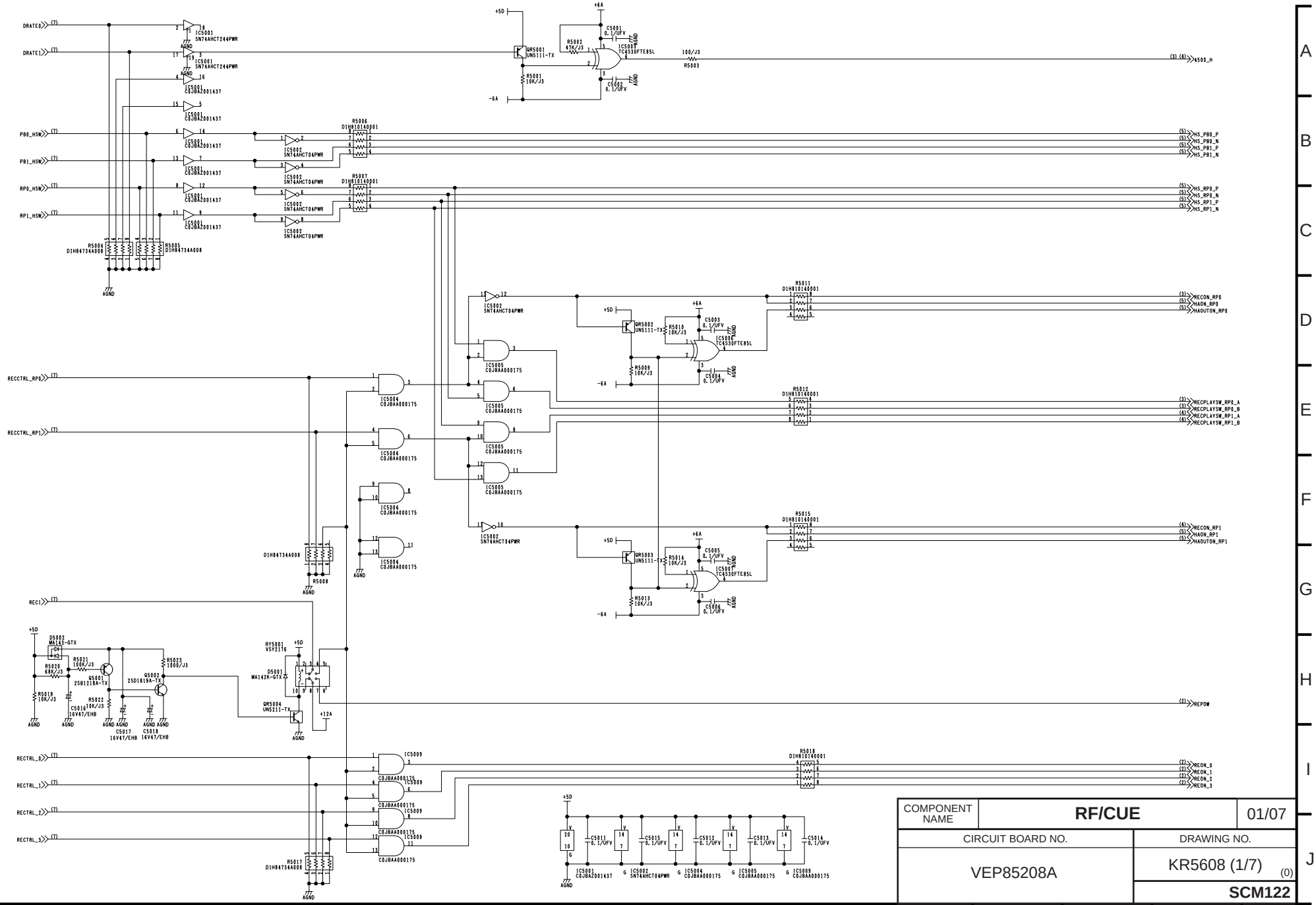
COMPONENT NAME	F8: RF/EQ	11/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207A		KR5607 (11/13) (0)
		SCM119



COMPONENT NAME	**F8: RF/EQ**	12/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207A		KR5607 (12/13) (0)
		SCM120



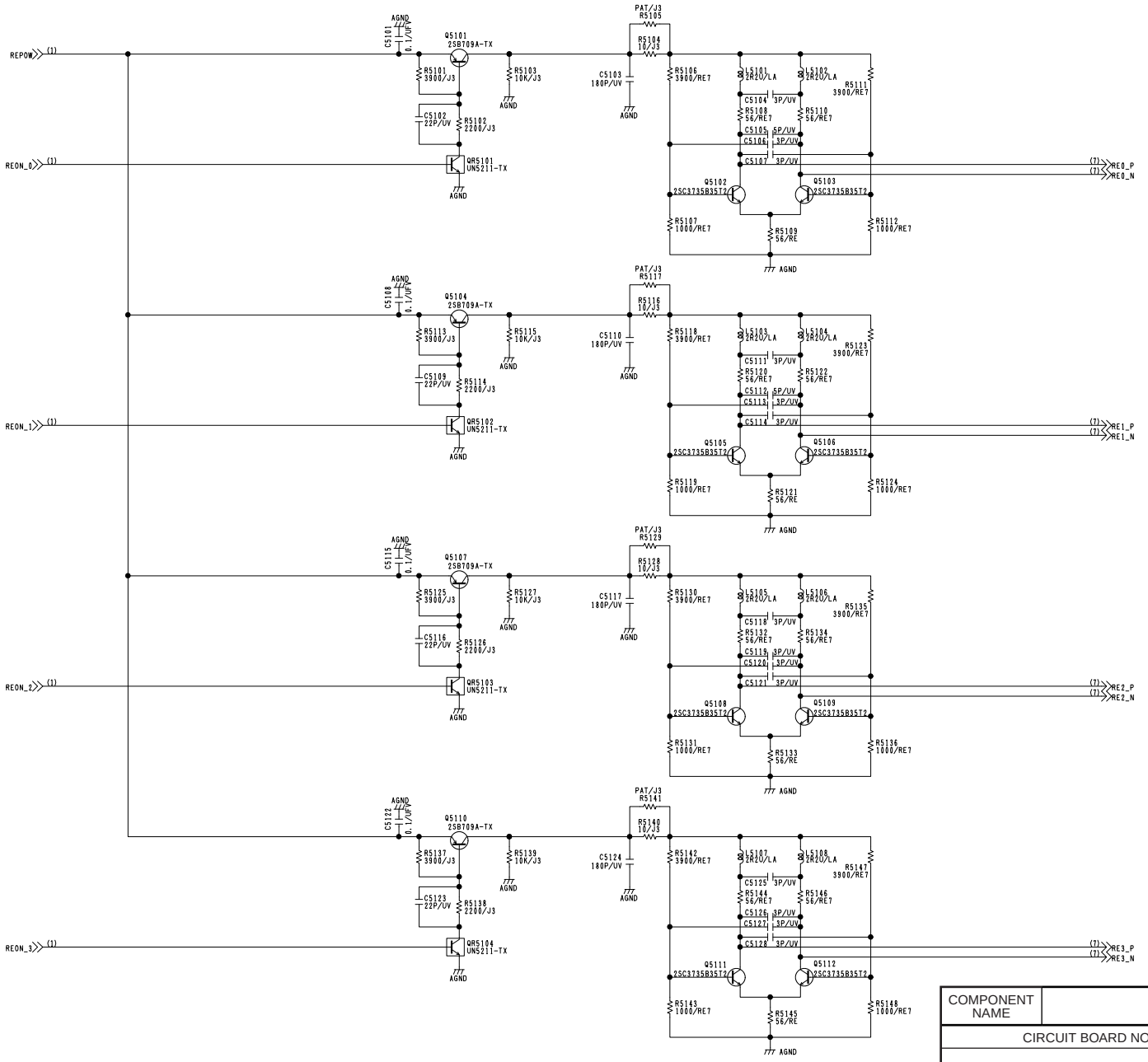
COMPONENT NAME	F8: RF/EQ	13/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207A		KR5607 (13/13) (0)
		SCM121



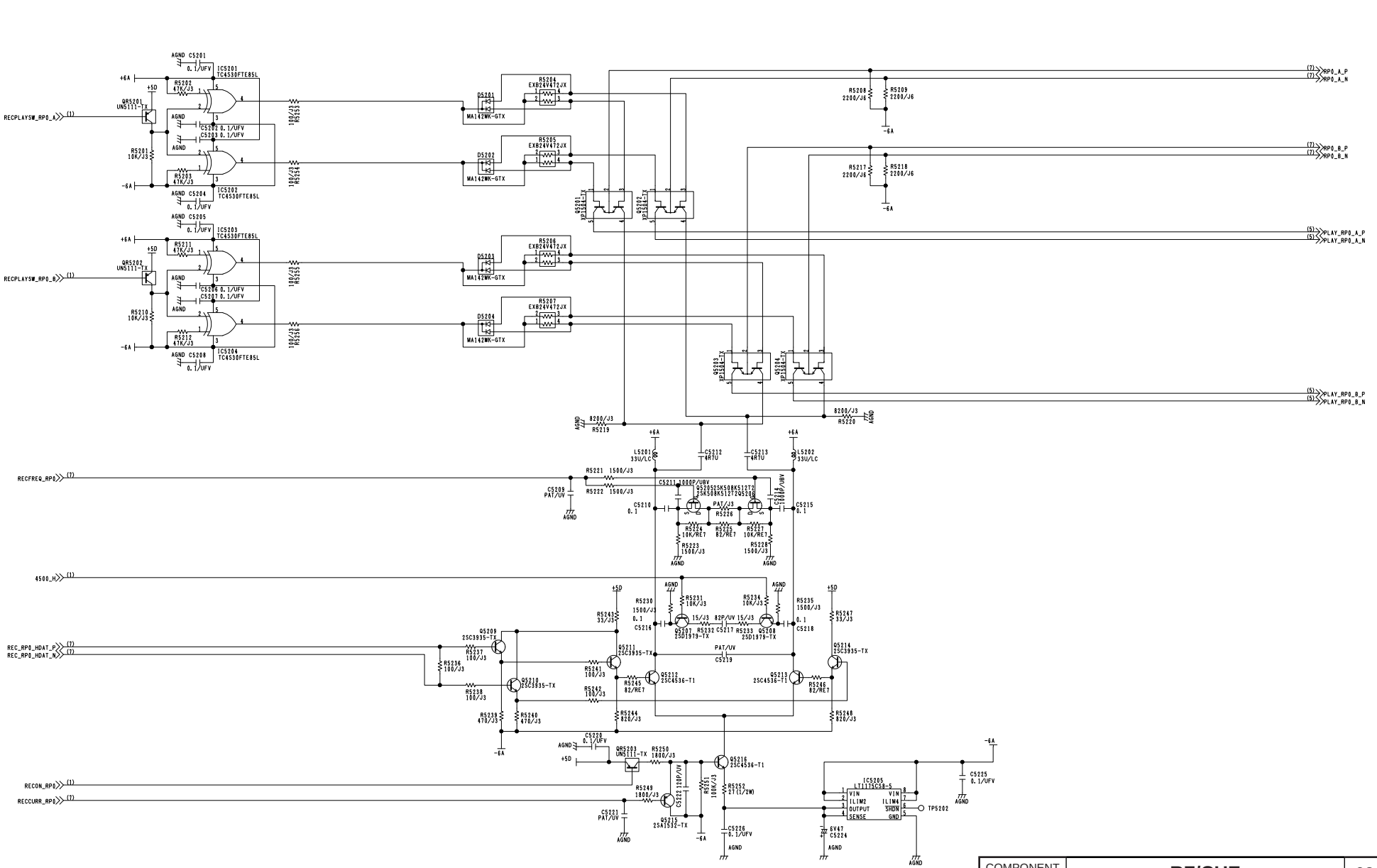
COMPONENT NAME	**RF/CUE**	01/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP85208A		KR5608 (1/7) (0)
		SCM122

A B C D E F G H I J

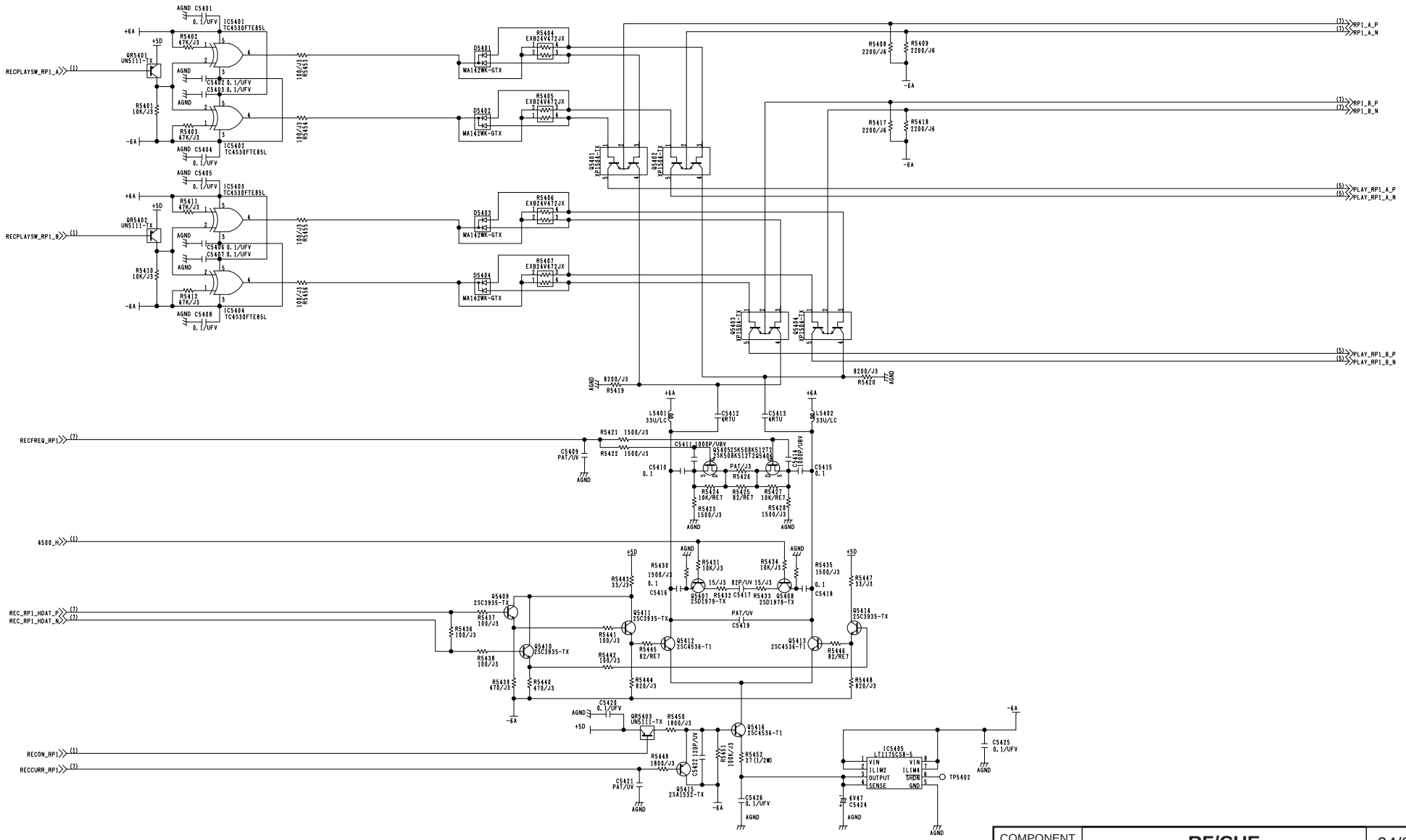
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



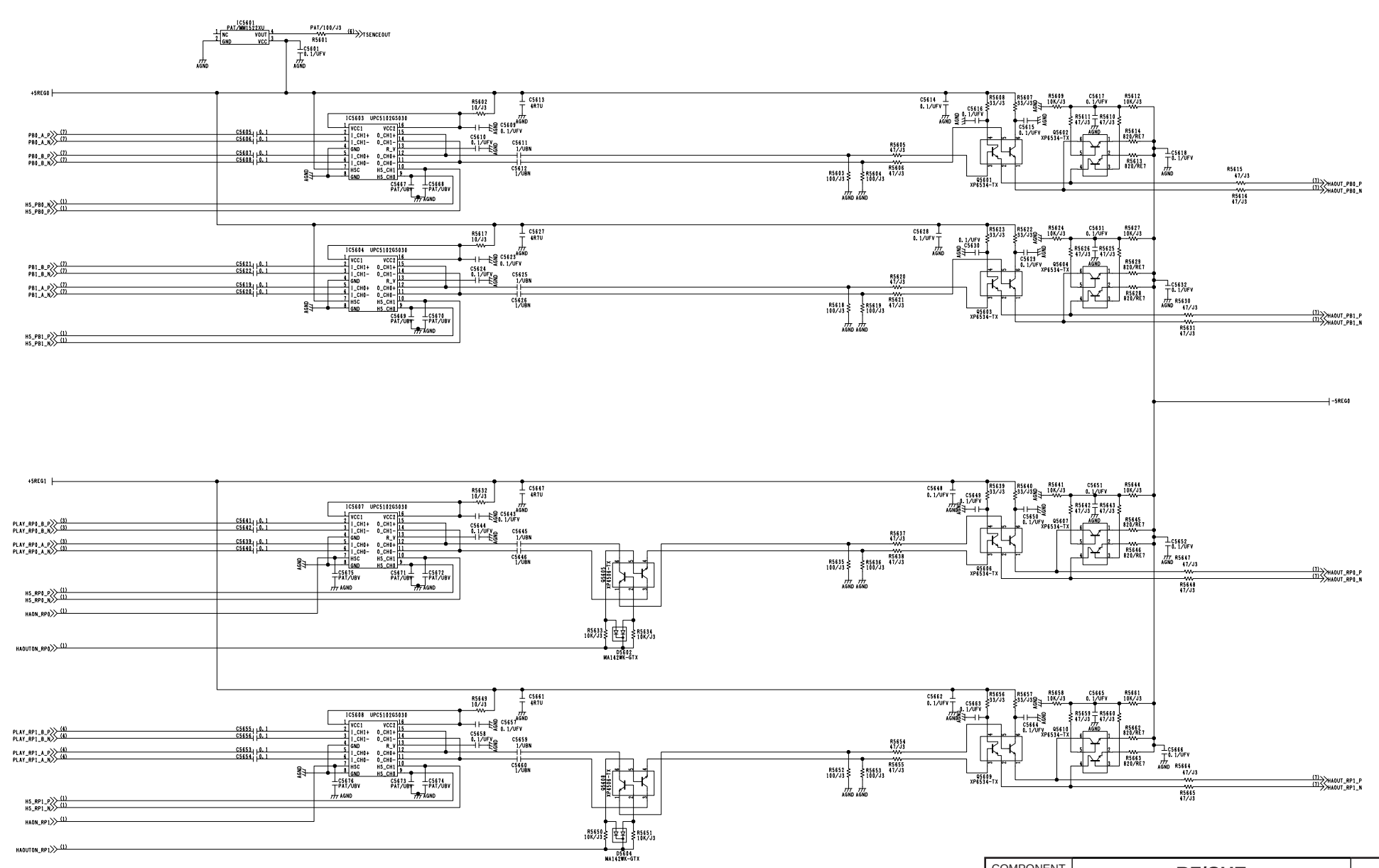
COMPONENT NAME	RF/CUE	02/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP85208A		KR5608 (2/7) (0)
		SCM123



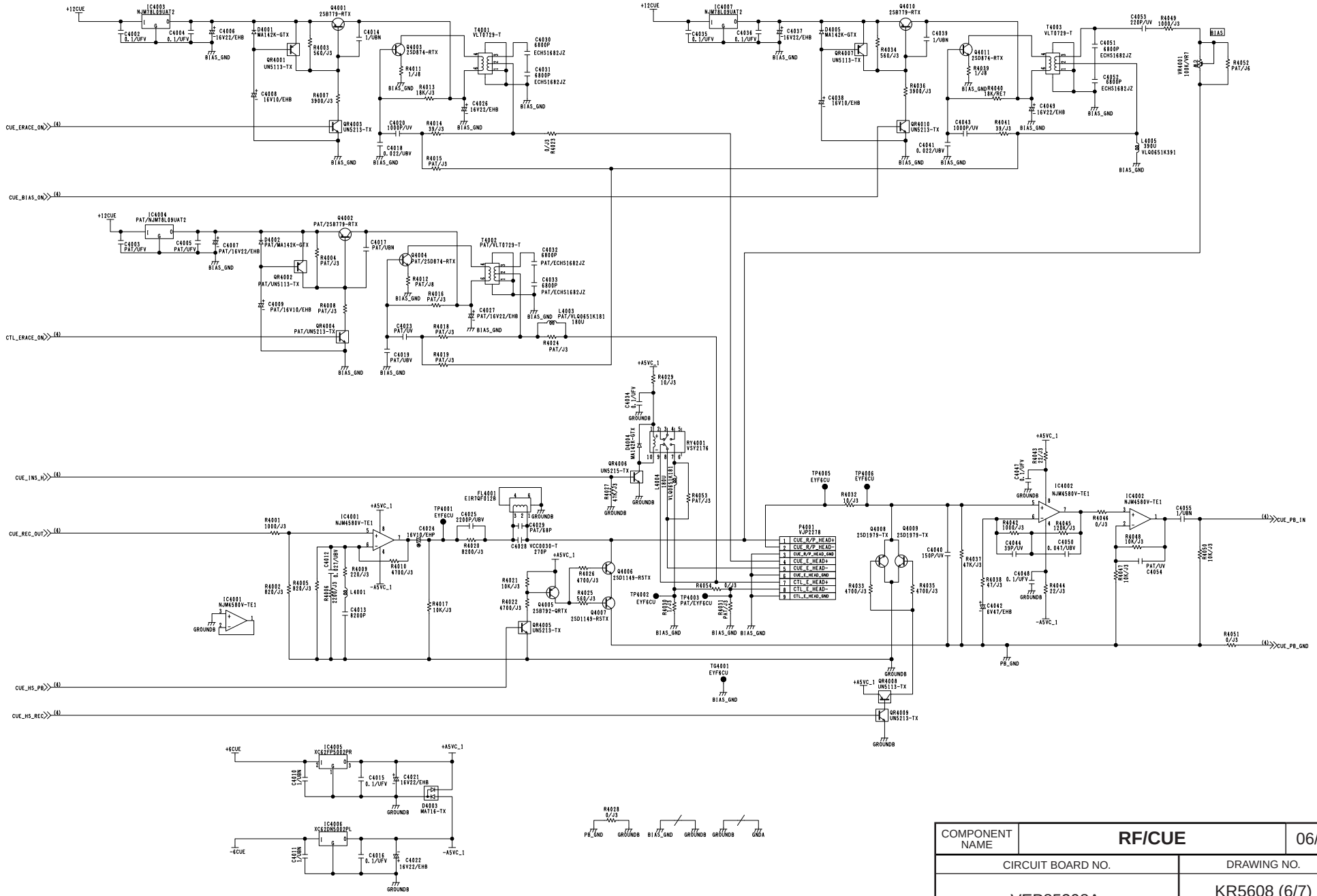
COMPONENT NAME	**RF/CUE**	03/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP85208A		KR5608 (3/7) (0)
		SCM124



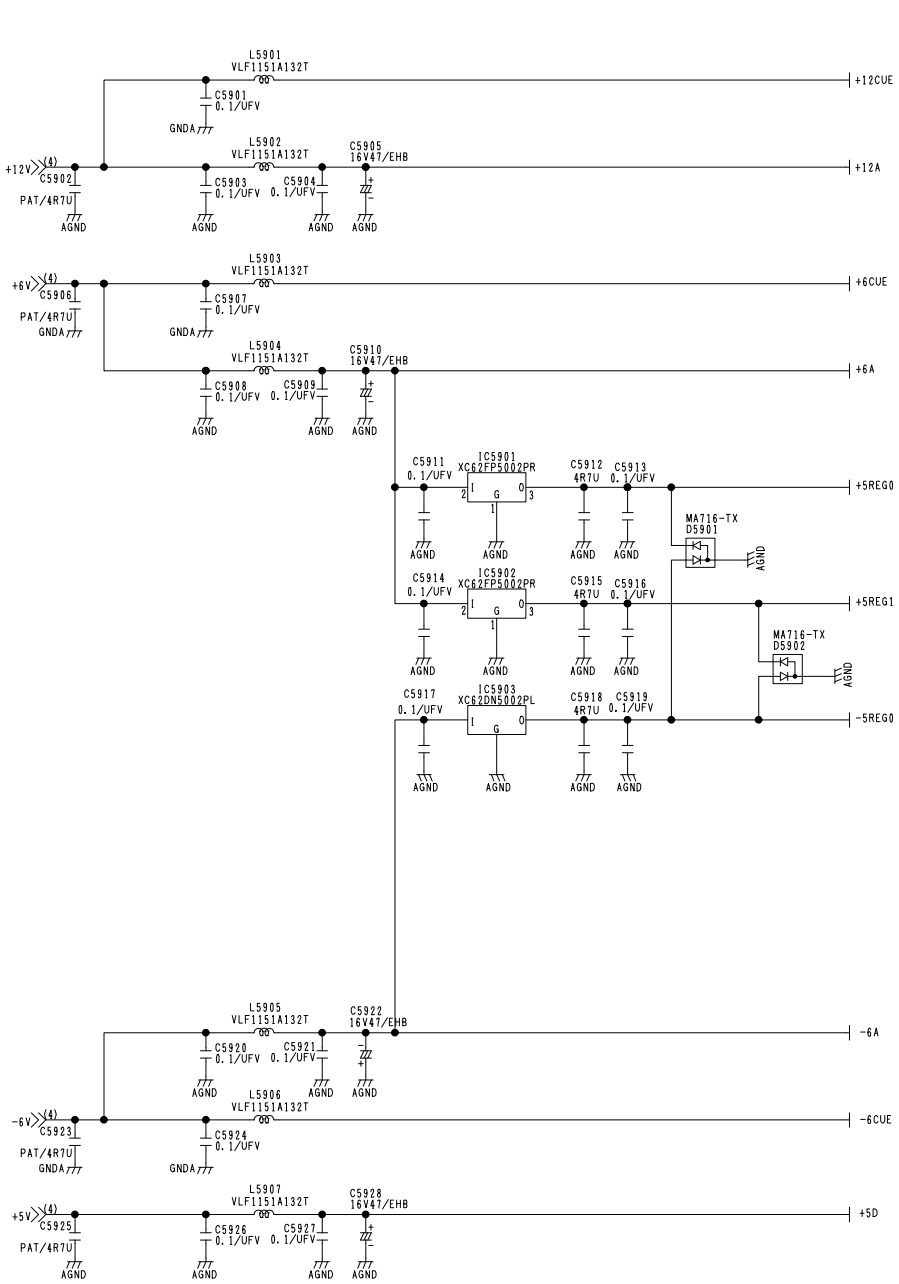
COMPONENT NAME	RF/CUE	04/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP85208A		KR5608 (4/7) (0)
		SCM125

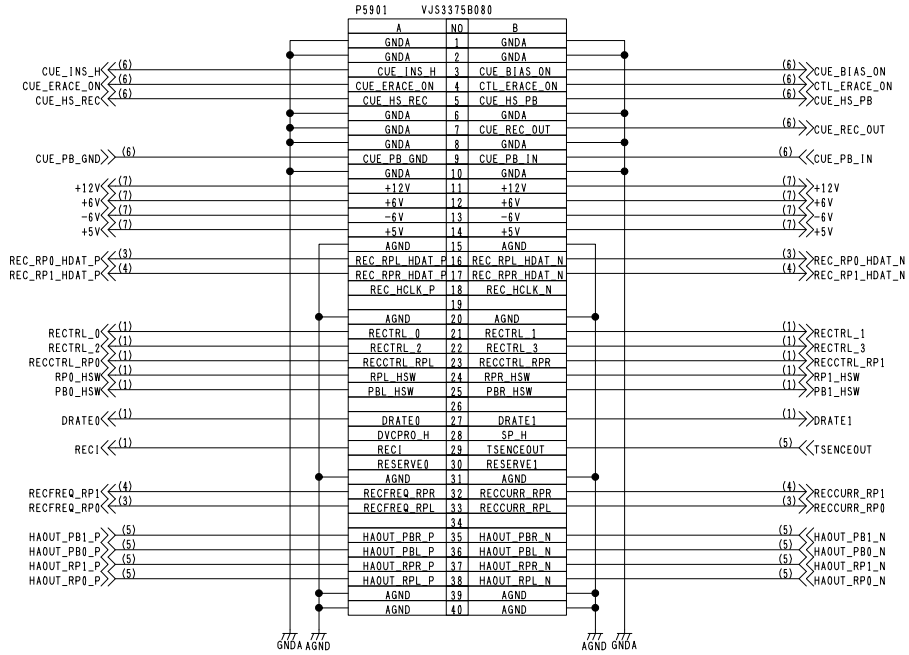


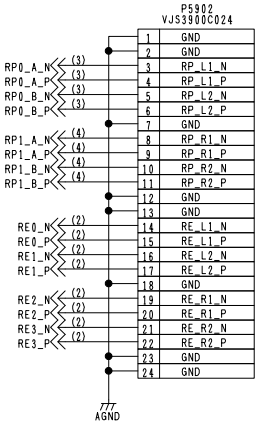
COMPONENT NAME	**RF/CUE**		05/07
CIRCUIT BOARD NO.		DRAWING NO.	
VEP85208A		KR5608 (5/7) (0)	
		SCM126	

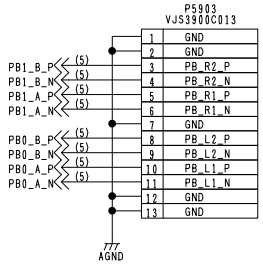


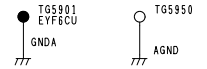
COMPONENT NAME	**RF/CUE**	06/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85208A	KR5608 (6/7) (0)	
	SCM127	







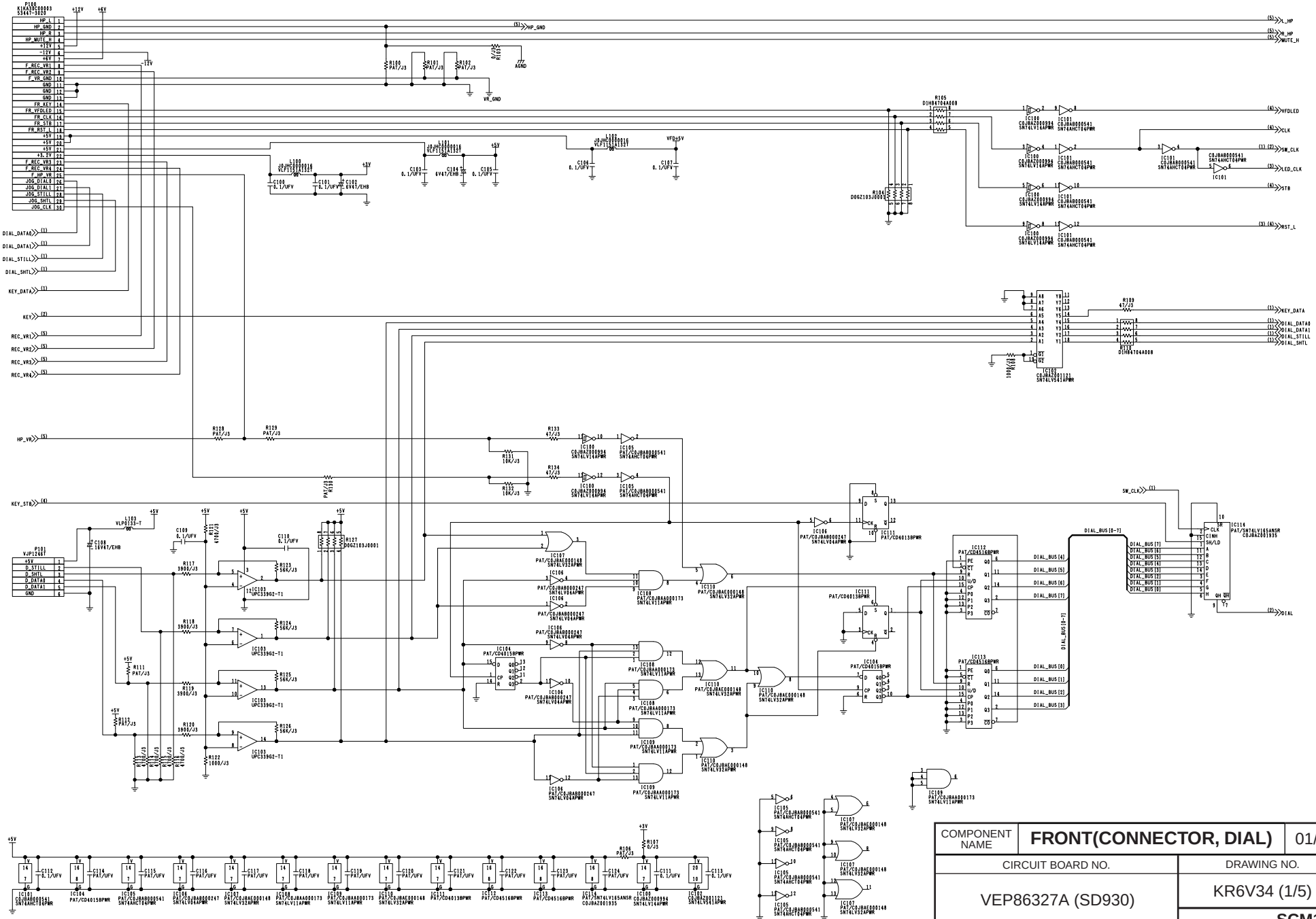




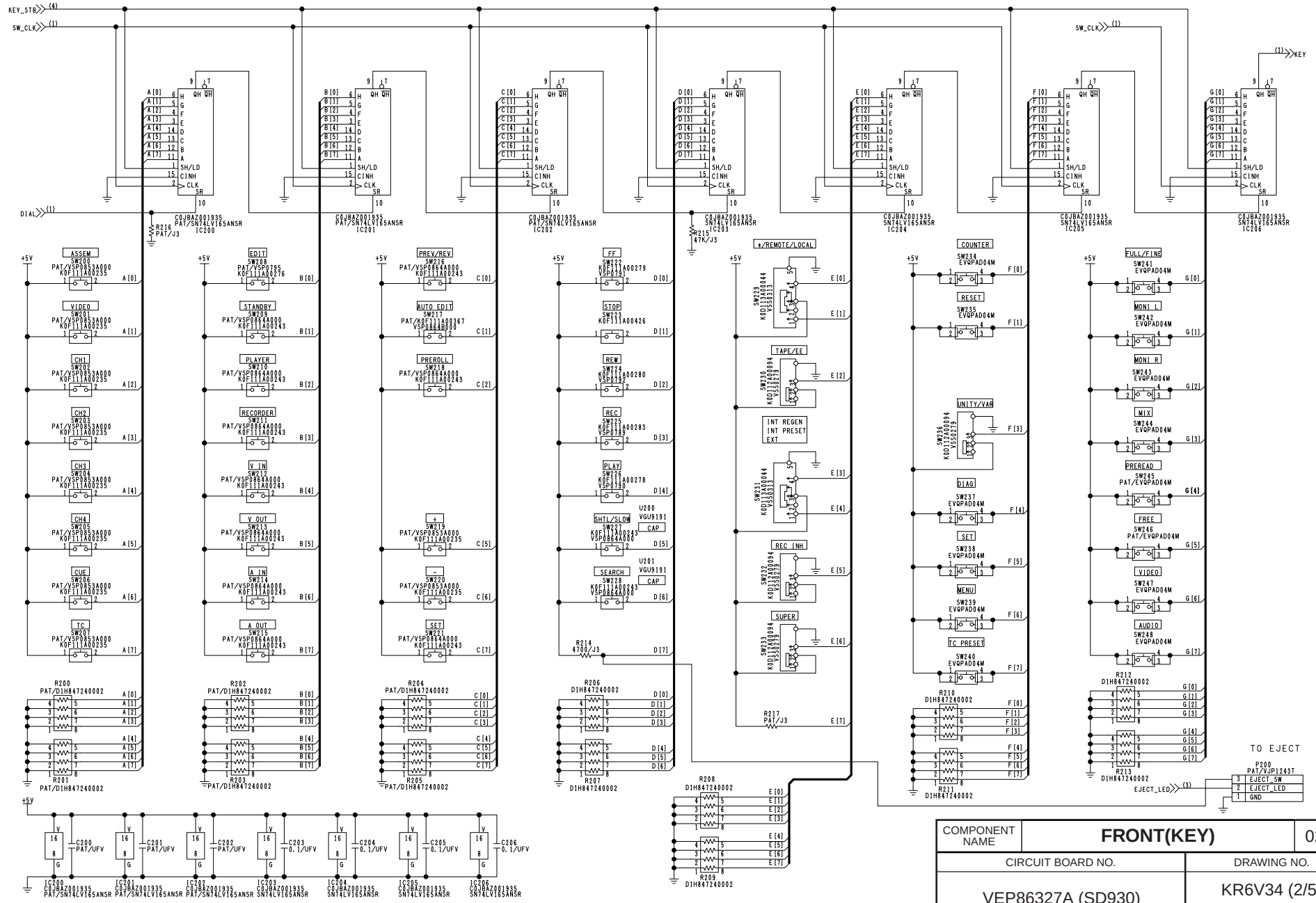
COMPONENT NAME	RF/CUE	07/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP85208A		KR5608 (7/7) (0)
		SCM128

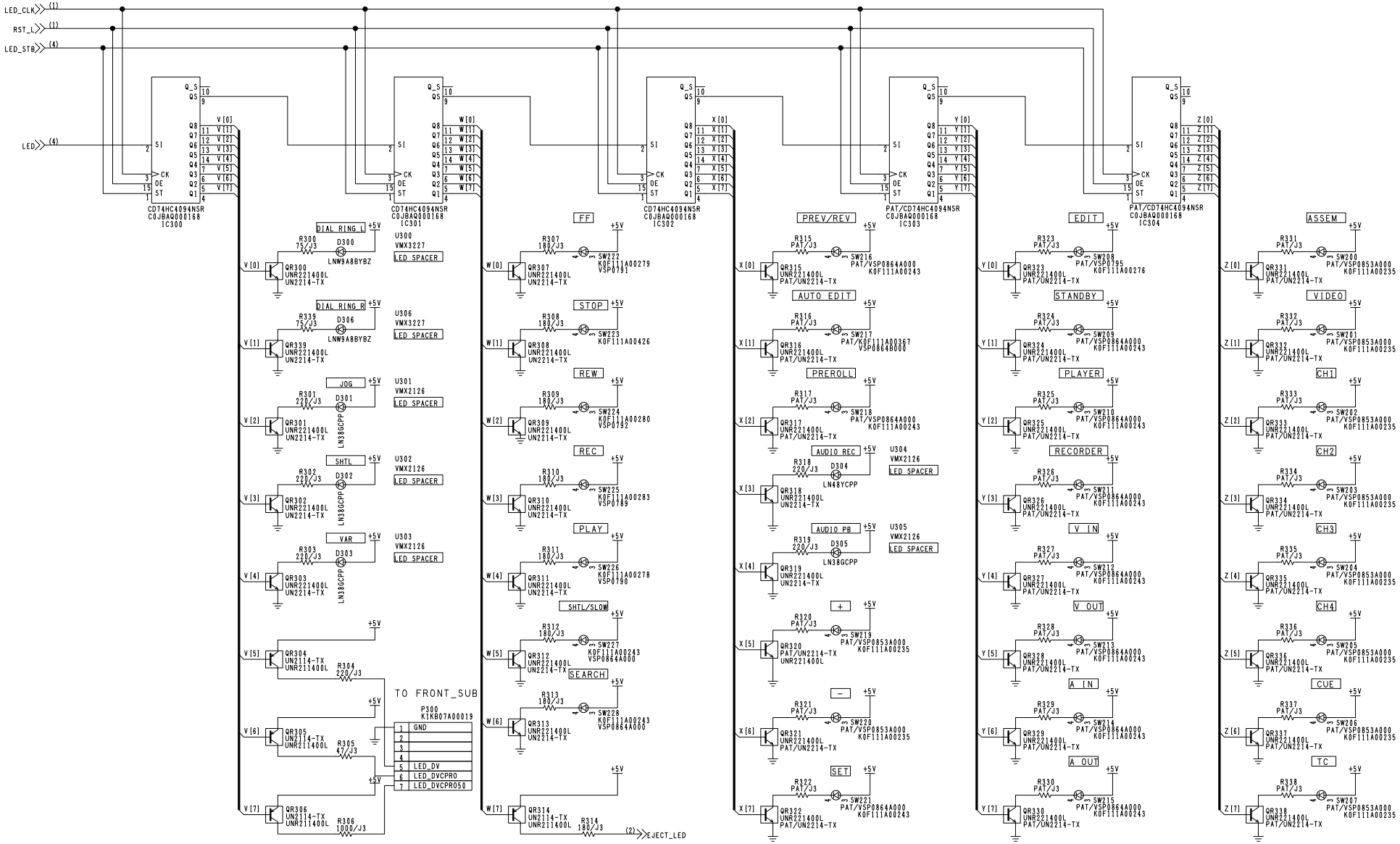
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

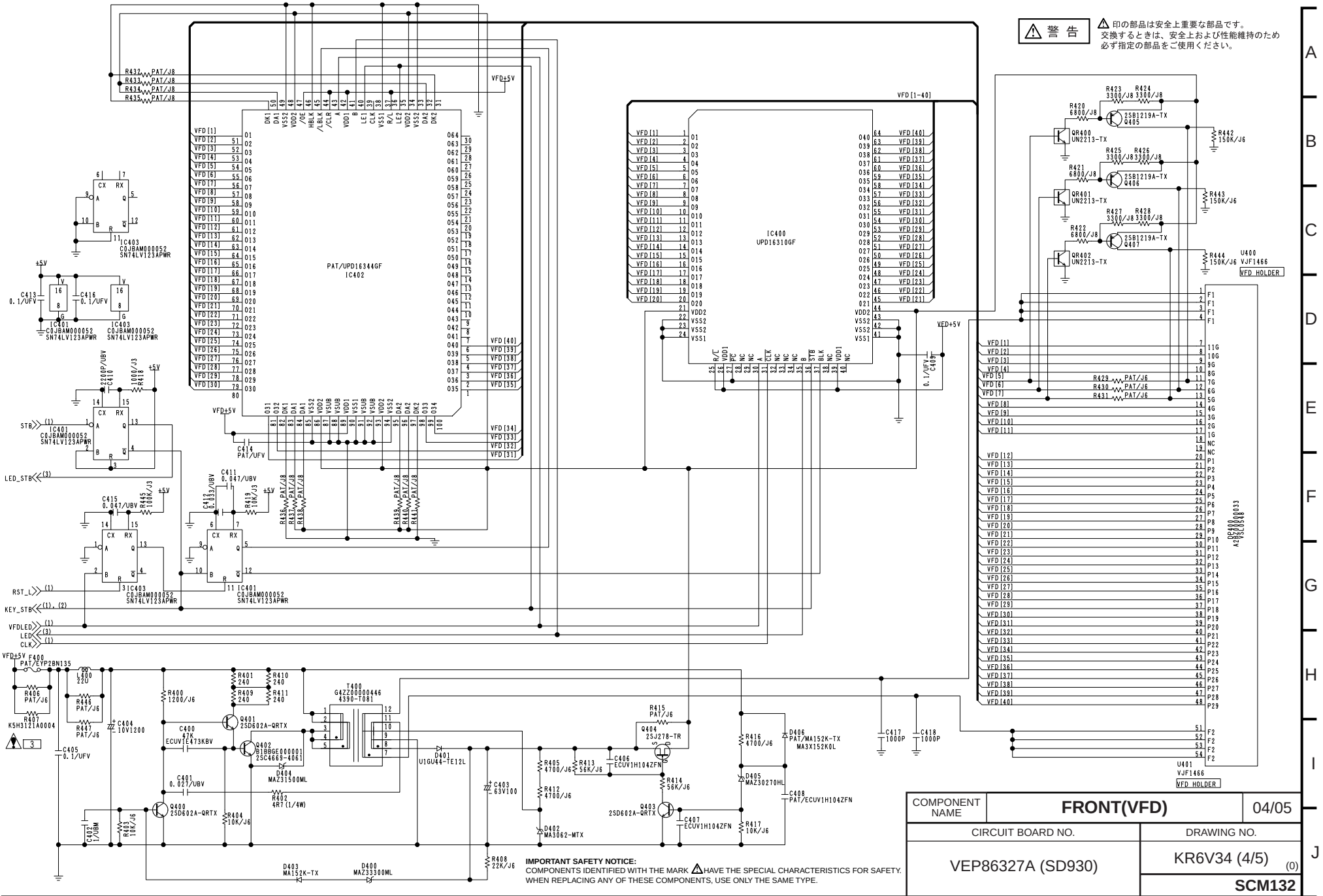


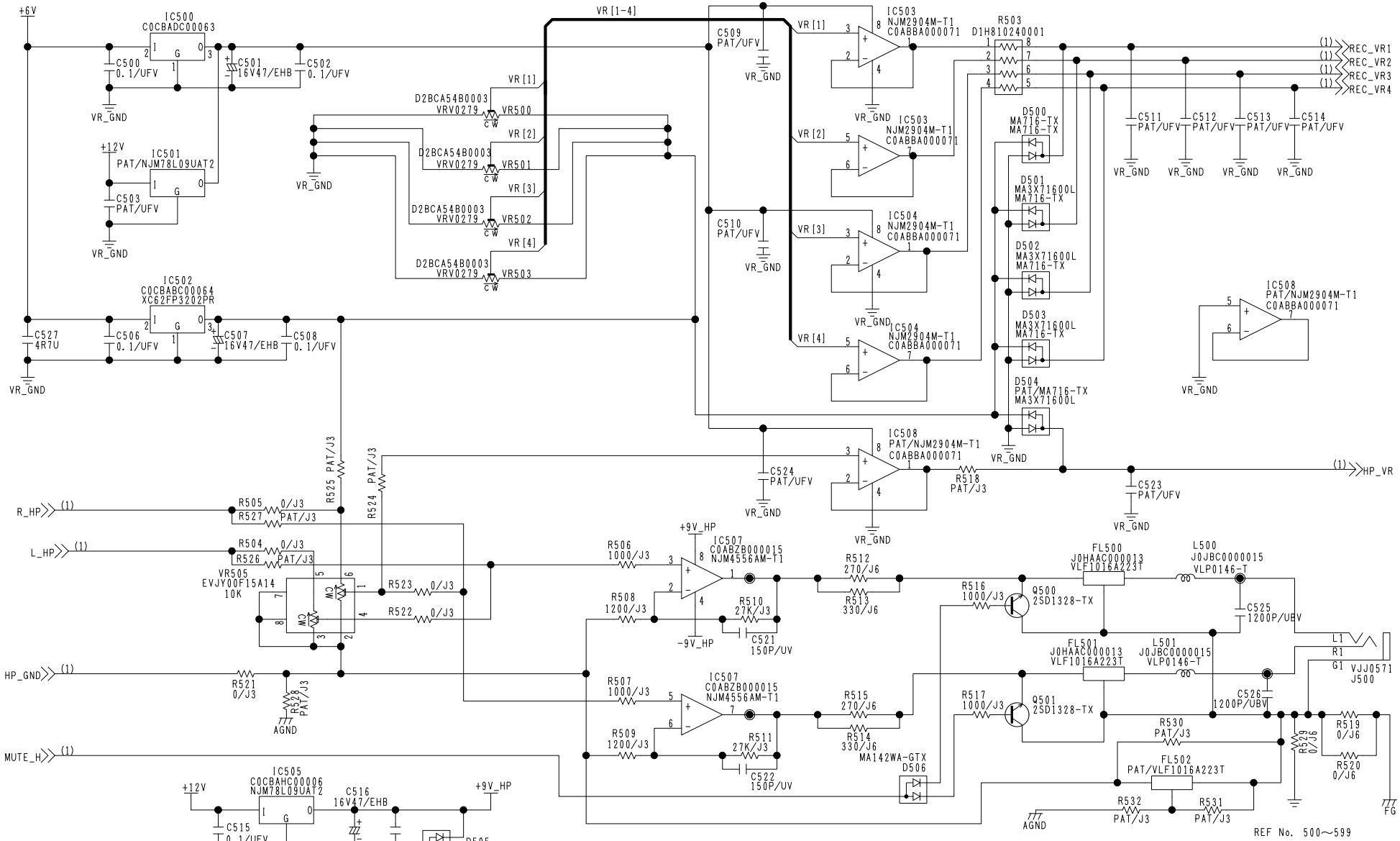
COMPONENT NAME	FRONT(CONNECTOR, DIAL)	01/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP86327A (SD930)		KR6V34 (1/5) (0)
		SCM129


KEY_STB
SW_CLK
DIAL
IC200 COJBAZ001935 PAT/SN74LV165ANSR
IC201 COJBAZ001935 PAT/SN74LV165ANSR
IC202 COJBAZ001935 PAT/SN74LV165ANSR
IC203 COJBAZ001935 SN74LV165ANSR
IC204 COJBAZ001935 SN74LV165ANSR
IC205 COJBAZ001935 SN74LV165ANSR
IC206 COJBAZ001935 SN74LV165ANSR
KEY
+/REMOTE/LOCAL
INT REGEN
INT PRESET
EXT
TAPE/EE
REC INH
SUPER
COUNTER
RESET
UNITY/VAR
DIAG
SET
MENU
TC PRESET
FULL/FINE
MONI L
MONI R
MIX
PREREAD
FREE
VIDEO
AUDIO
ASSEM
VIDEO
CH1
CH2
CH3
CH4
CUE
TC
EDIT
STANDBY
PLAYER
RECORDER
V IN
V OUT
A IN
A OUT
PREV/REV
AUTO EDIT
PREROLL
+
-
SET
FF
STOP
REW
REC
PLAY
SHTL/SLOW
SEARCH
TO EJECT
P200 PAT/VJP1243T
EJECT_SW
EJECT_LED
GND
EJECT_LED
COMPONENT NAME
FRONT(KEY)
02/05
CIRCUIT BOARD NO.
VEP86327A (SD930)
DRAWING NO.
KR6V34 (2/5)
(0)
SCM130

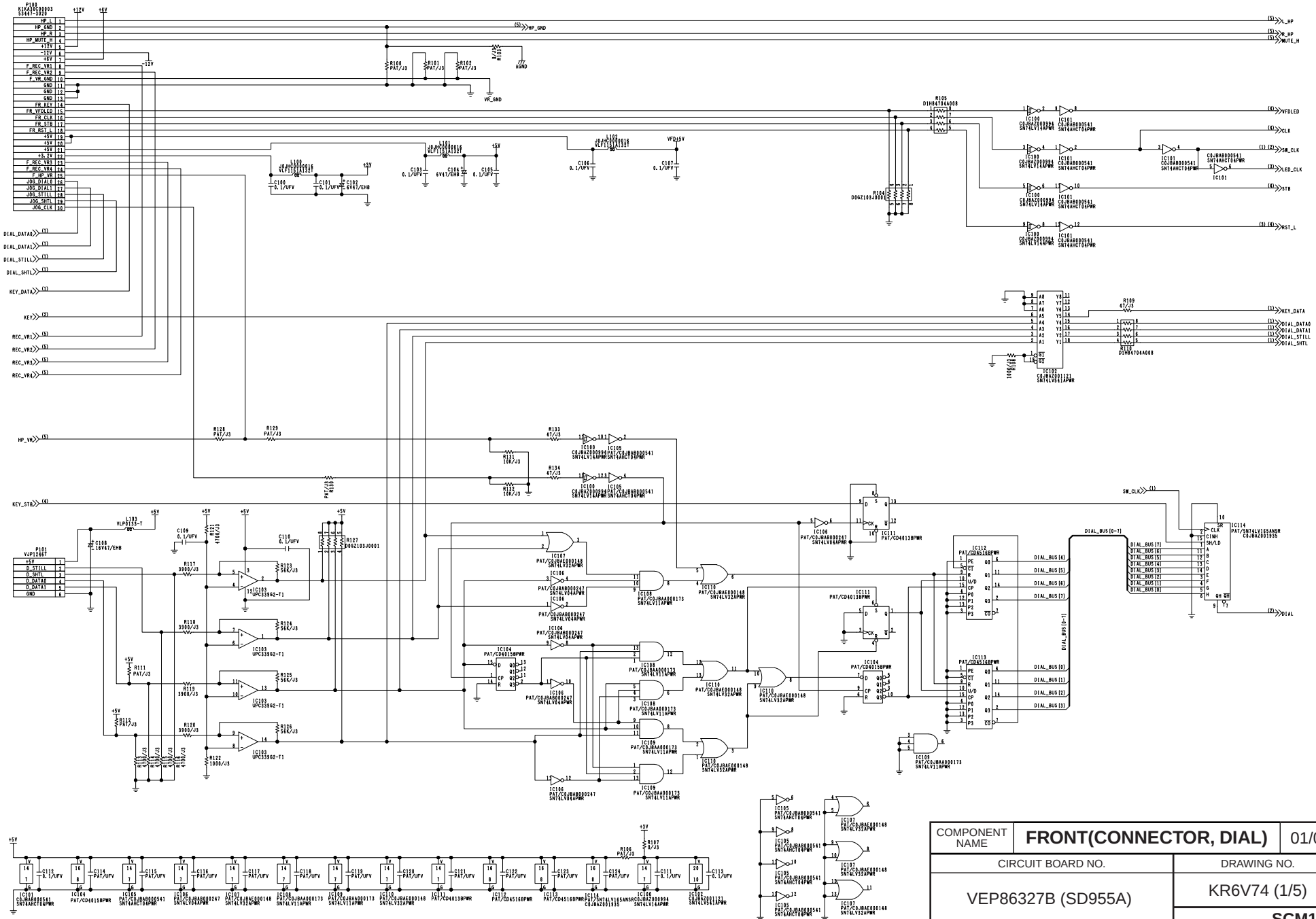


COMPONENT NAME	**FRONT(LED)**	03/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86327A (SD930)	KR6V34 (3/5) (0)	
	SCM131	

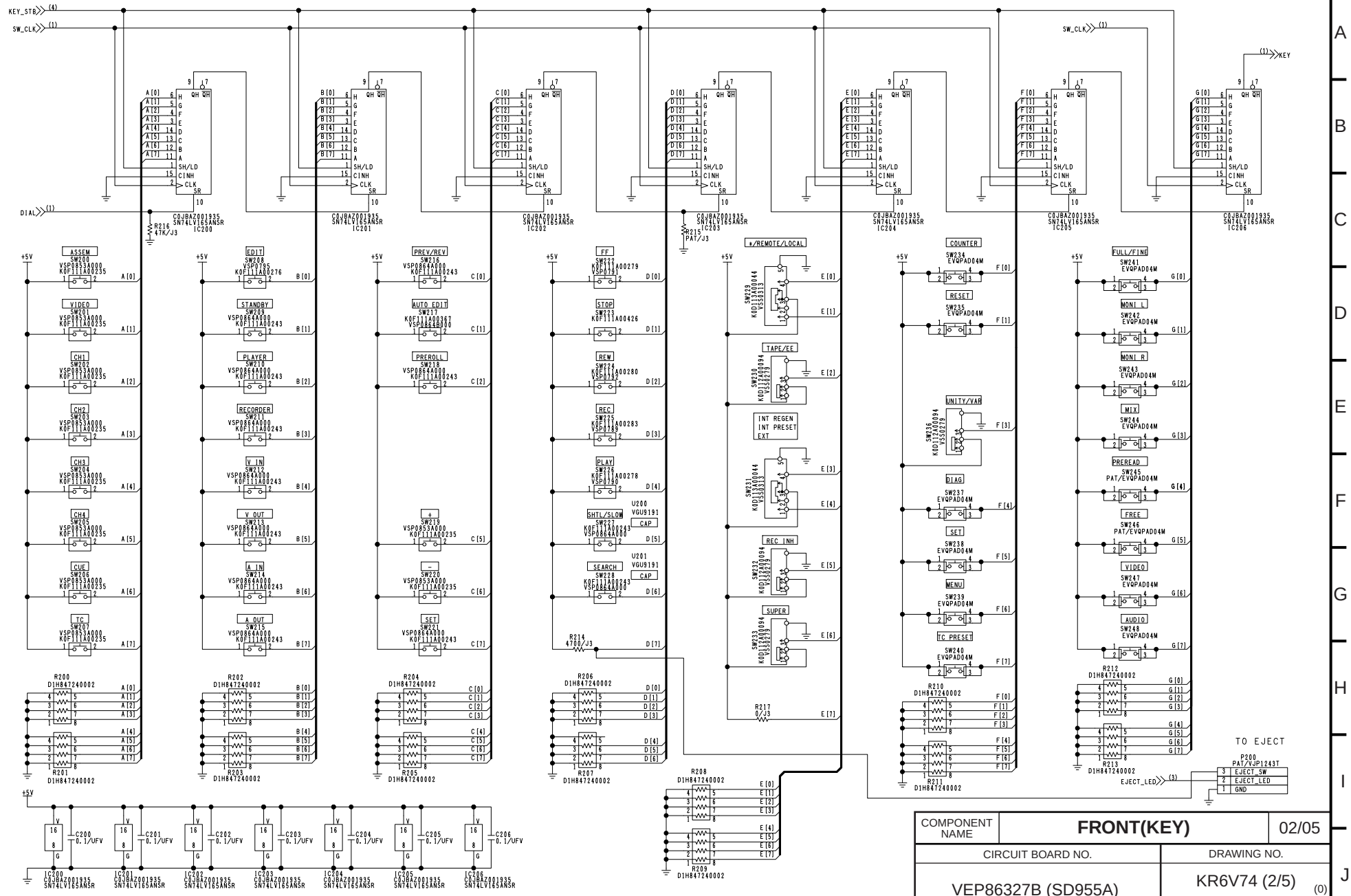

⚠ 警 告
⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。
PAT/UPD16344GF
IC402
IC400
UPD16310GF
IC403
C0JBAM000052
SN74LV123APWR
IC401
C0JBAM000052
SN74LV123APWR
U400
VJF1466
VFD HOLDER
U401
VJF1466
VFD HOLDER
T400
G4ZZ000000446
4390-T081
F400
PAT/EYP2BN135
K5H3121A0004
Q400
2SD602A-QRTX
Q401
2SD602A-QRTX
Q402
B1B8GE000001
2SC4669-4061
Q403
2SD602A-QRTX
Q404
2SJ278-TR
D400
MAZ33300ML
D401
U1GU44-TE12L
D402
MA3062-MTX
D403
MA152K-TX
D404
MAZ31500ML
D405
MAZ30270HL
D406
PAT/MA152K-TX
MA3X152K0L
STB
LED_STB
RST_L
KEY_STB
VFDLED
LED
CLK
VFD+5V
+5V
VFD[1-40]
COMPONENT NAME
FRONT(VFD)
04/05
CIRCUIT BOARD NO.
VEP86327A (SD930)
DRAWING NO.
KR6V34 (4/5)
(0)
SCM132
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.



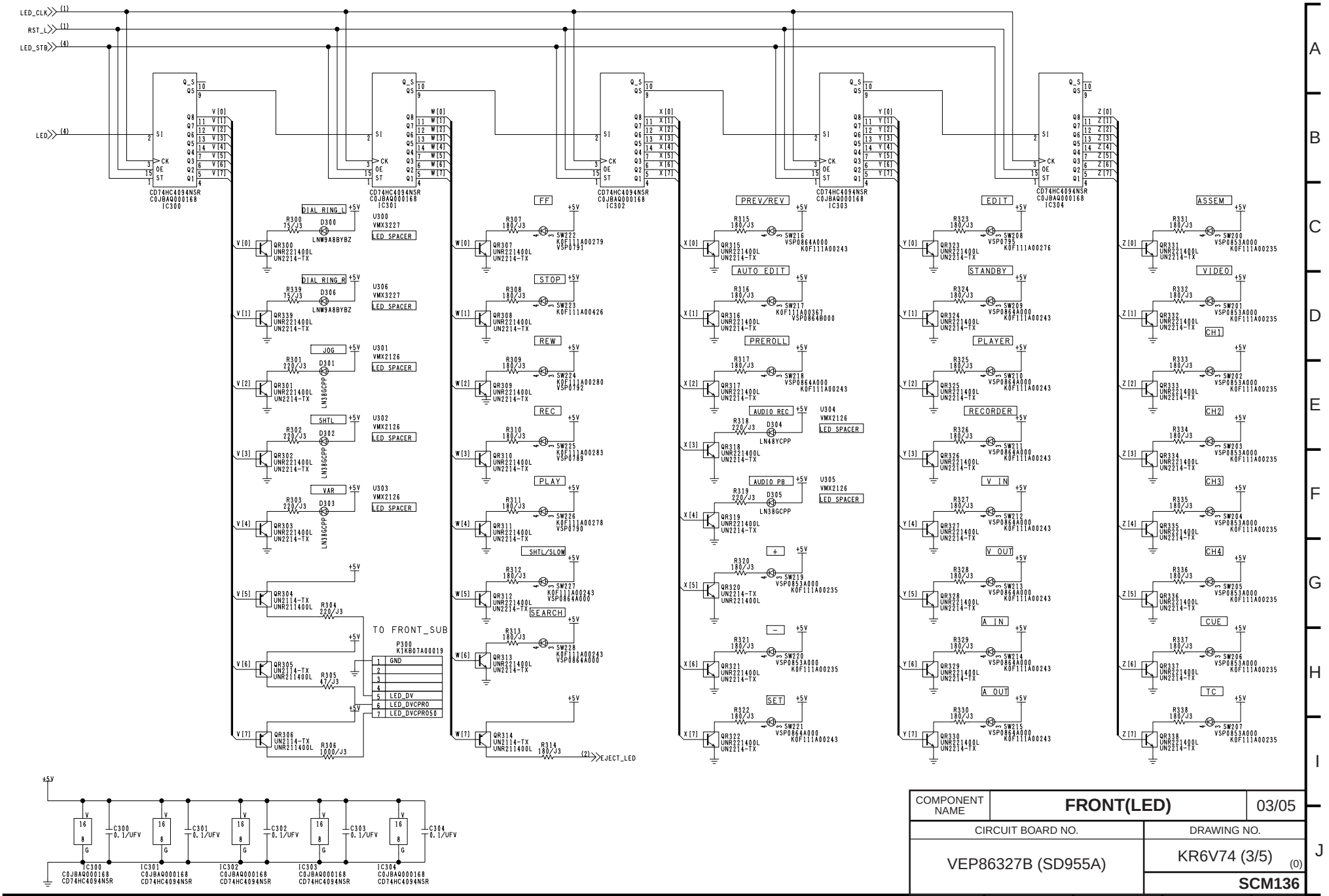
COMPONENT NAME	FRONT(VR, HEADPHONE)	05/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP86327A (SD930)		KR6V34 (5/5) (0)
		SCM133



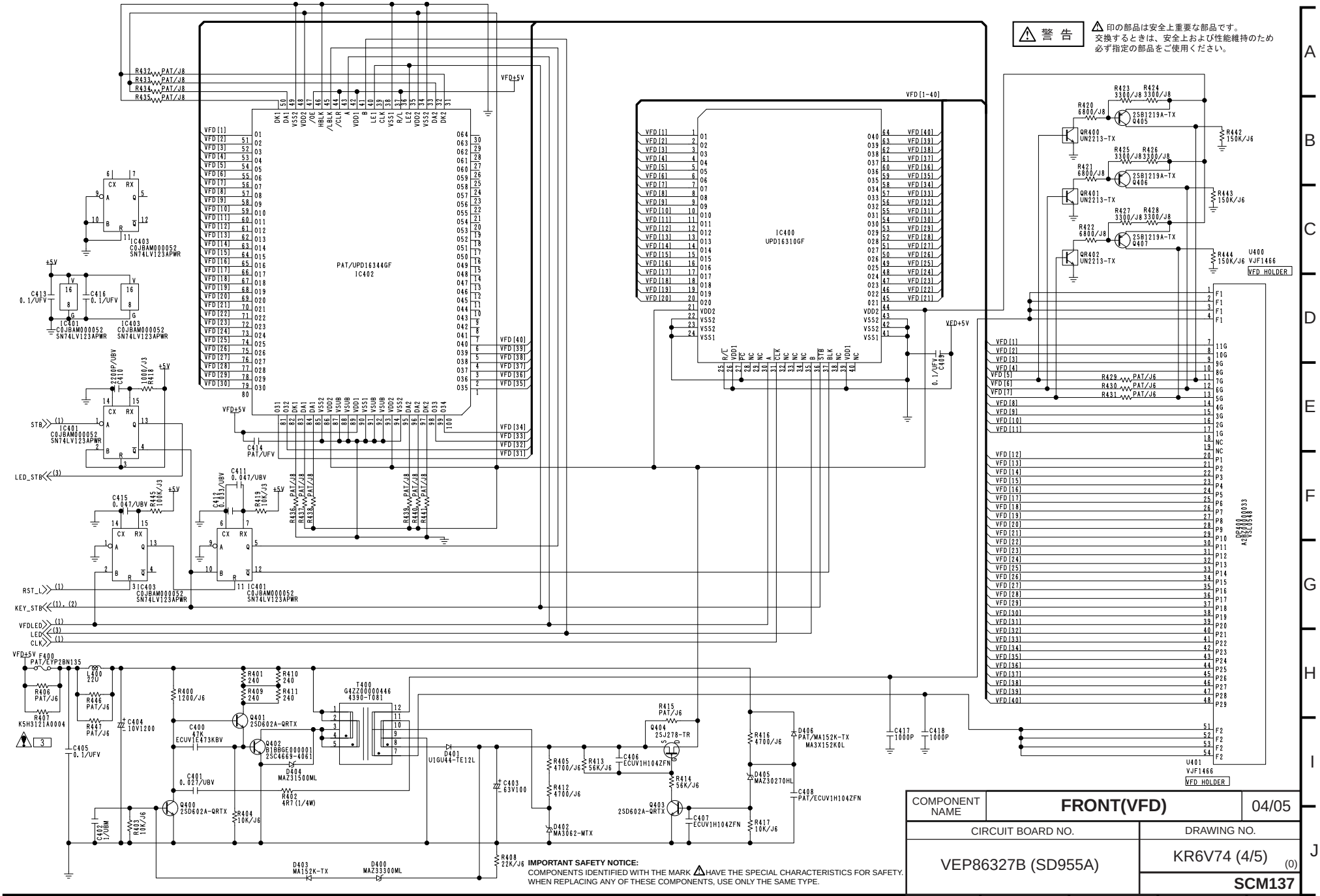
COMPONENT NAME	**FRONT(CONNECTOR, DIAL)**	01/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP86327B (SD955A)		KR6V74 (1/5) (0)
		SCM134

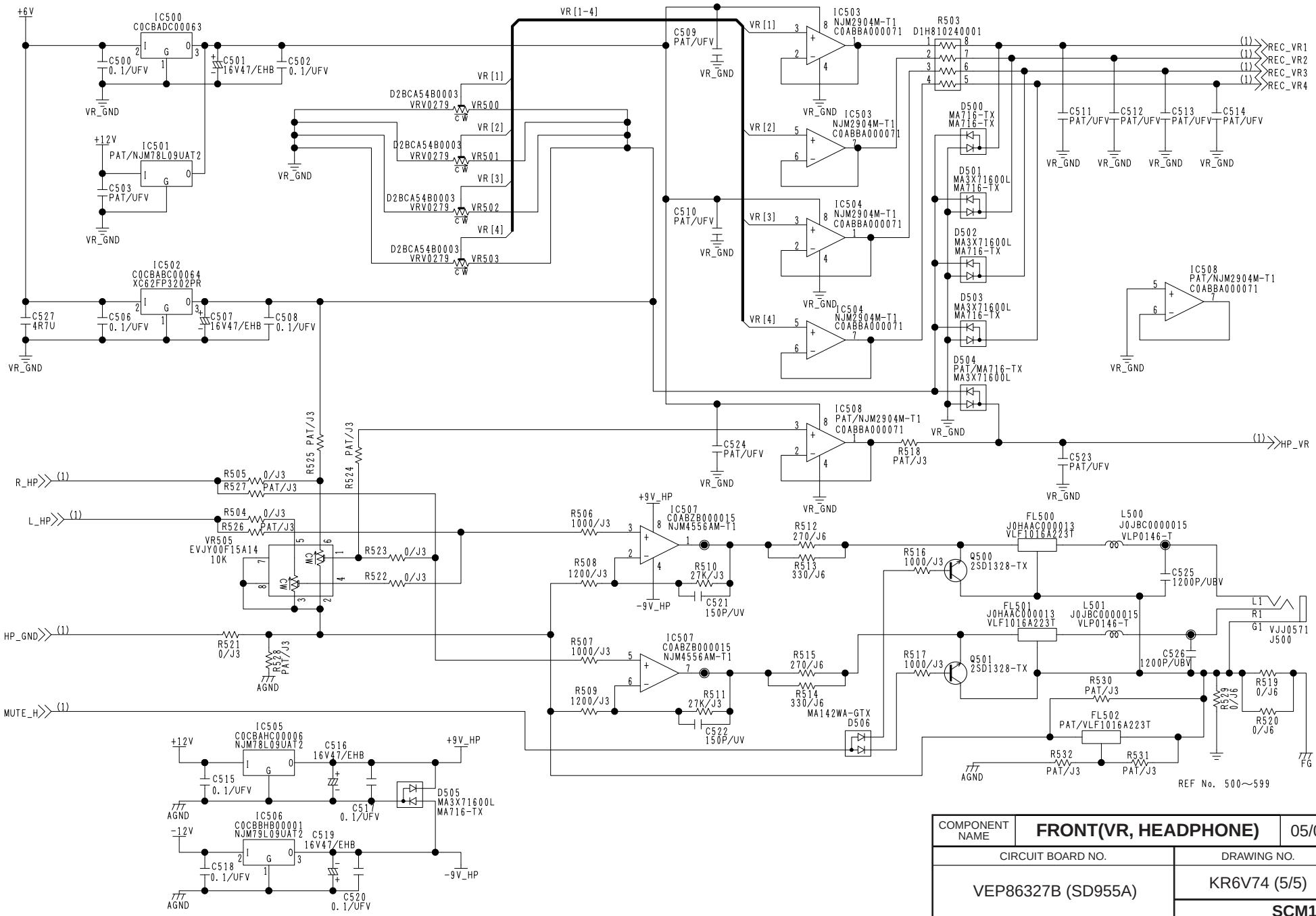


COMPONENT NAME	**FRONT(KEY)**	02/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86327B (SD955A)	KR6V74 (2/5) (0)	
	SCM135	

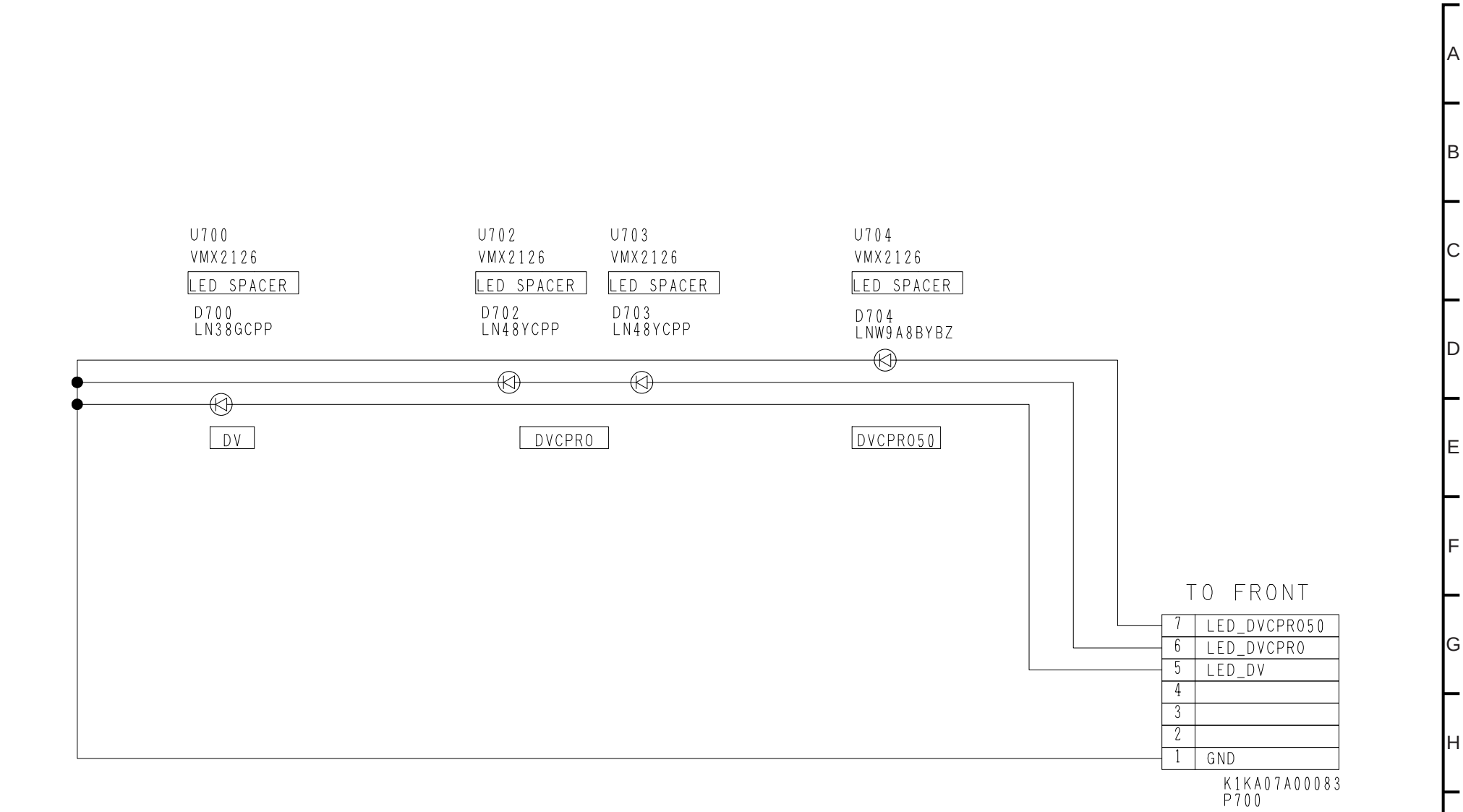


COMPONENT NAME	**FRONT(LED)**	03/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86327B (SD955A)	KR6V74 (3/5) (0)	
	SCM136	

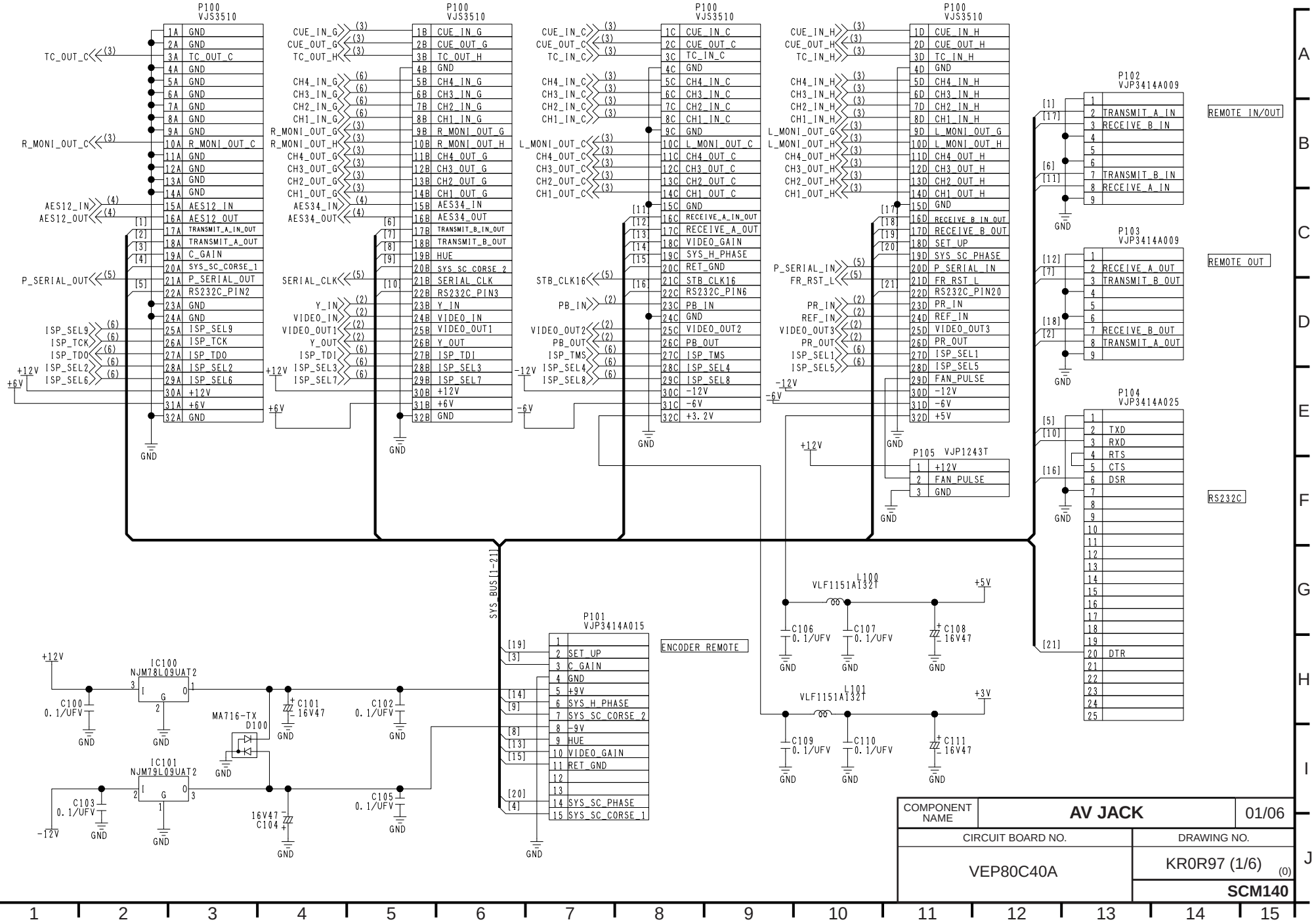

⚠ 警 告
⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。
IC402
PAT/UPD16344GF
IC400
UPD16310GF
U400
VJF1466
VFD HOLDER
U401
VJF1466
VFD HOLDER
T400
G4ZZ00000446
4390-T081
F400
PAT/EYP2BN135
K5H3121A0004
IC403
C0JBAM000052
SN74LV123APWR
IC401
C0JBAM000052
SN74LV123APWR
D400
MAZ33300ML
D401
U1GU44-TE12L
D402
MA3062-MTX
D403
MA152K-TX
D404
MAZ31500ML
D405
MAZ30270HL
D406
PAT/MA152K-TX
MA3X152K0L
Q400
2SD602A-QRTX
Q401
2SD602A-QRTX
Q402
B1BBGE000001
2SC4669-4061
Q403
2SD602A-QRTX
Q404
2SJ278-TR
QR400
UN2213-TX
QR401
UN2213-TX
QR402
UN2213-TX
Q405
2SB1219A-TX
Q406
2SB1219A-TX
Q407
2SB1219A-TX
VFD+5V
+5V
STB
LED_STB
RST_L
KEY_STB
VFDLED
LED
CLK
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.
COMPONENT NAME
FRONT(VFD)
04/05
CIRCUIT BOARD NO.
VEP86327B (SD955A)
DRAWING NO.
KR6V74 (4/5) (0)
SCM137

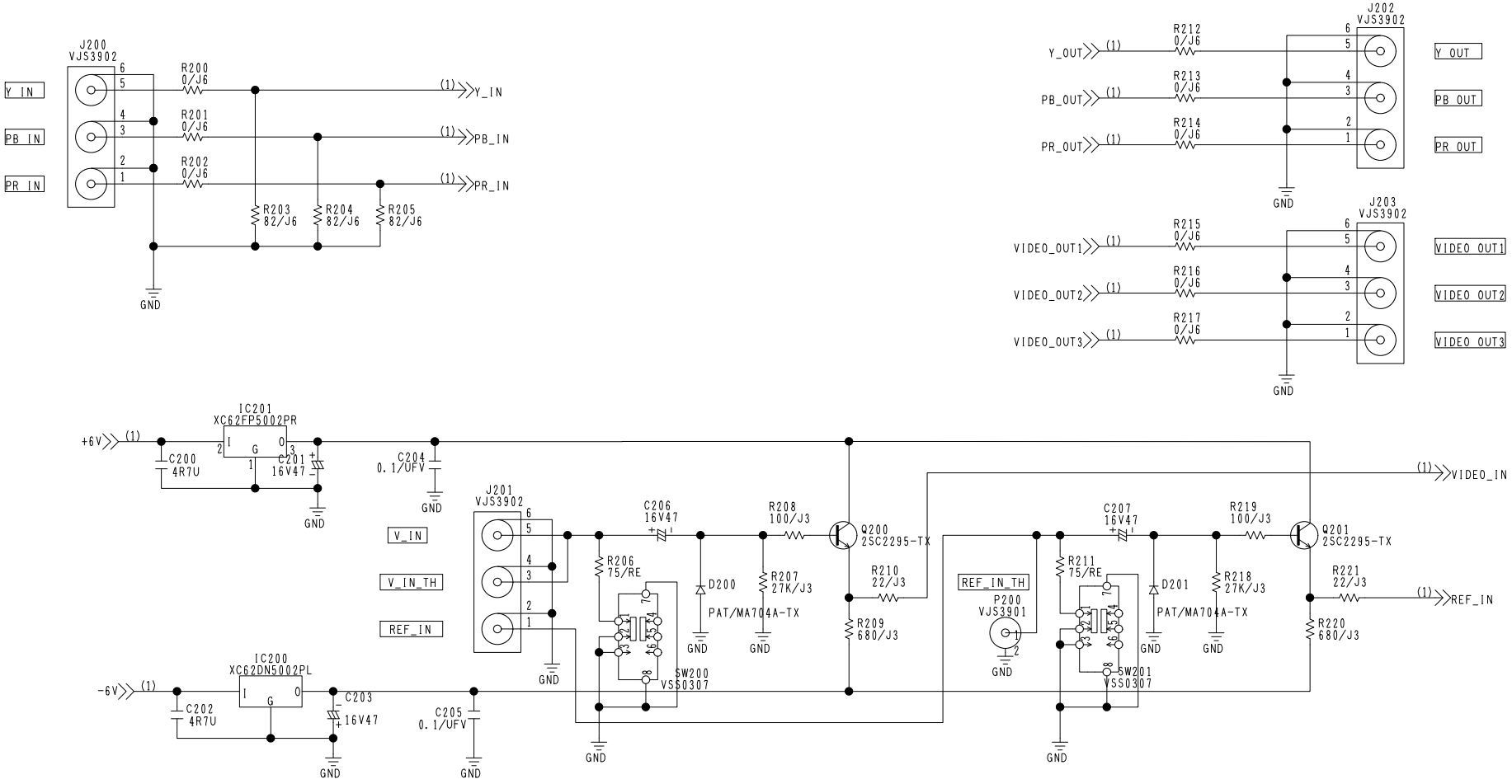


COMPONENT NAME	FRONT(VR, HEADPHONE)	05/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP86327B (SD955A)		KR6V74 (5/5) (0)
		SCM138

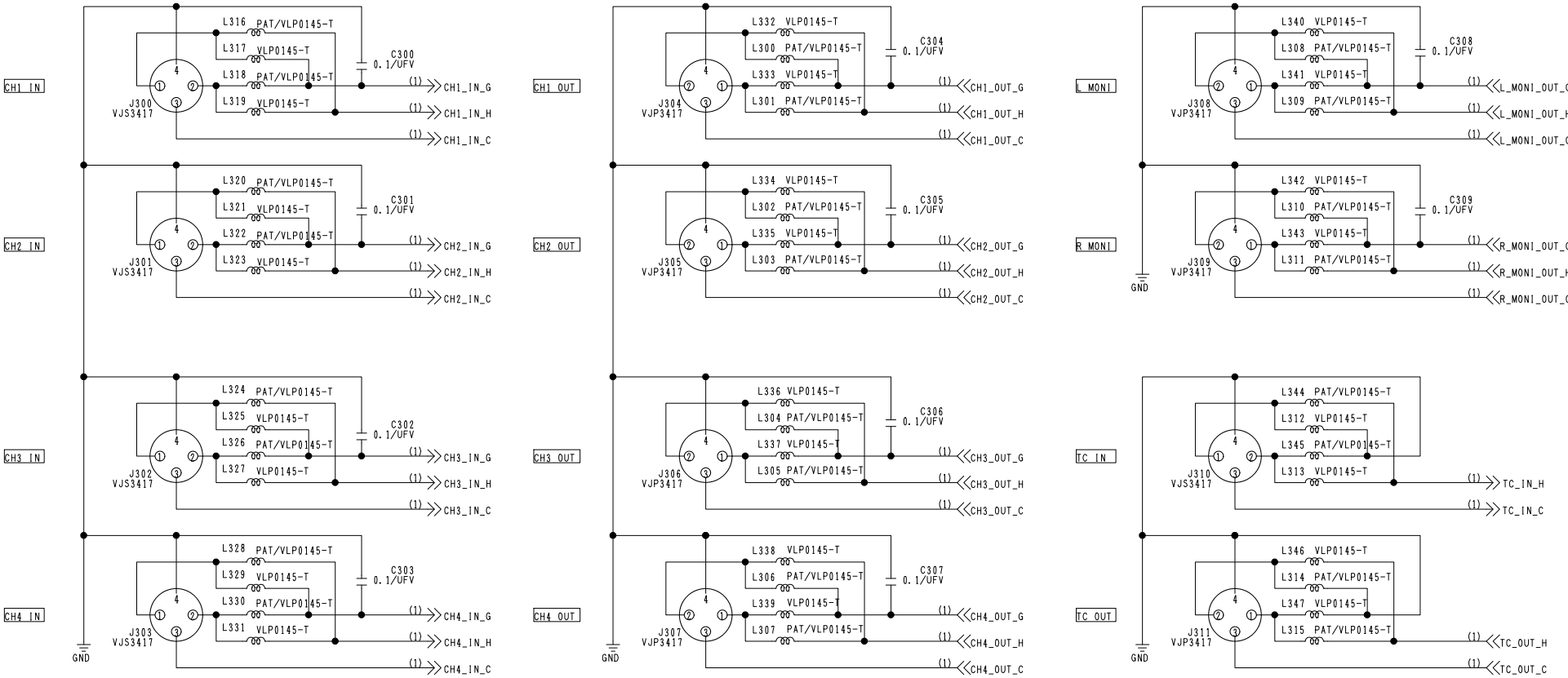


COMPONENT NAME	**FRONT SUB**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C43A		KR0S10 (1/1) (0)
		SCM139

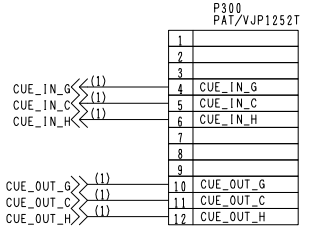

P100 VJS3510
P101 VJP3414A015
P102 VJP3414A009
P103 VJP3414A009
P104 VJP3414A025
P105 VJP1243T
ENCODER REMOTE
REMOTE IN/OUT
REMOTE OUT
RS232C
SYS BUS[1-21]
IC100 NJM78L09UAT2
IC101 NJM79L09UAT2
L100 VLF1151A132T
L101 VLF1151A132T
D100 MA716-TX
COMPONENT NAME
AV JACK
01/06
CIRCUIT BOARD NO.
VEP80C40A
DRAWING NO.
KR0R97 (1/6) (0)
SCM140



COMPONENT NAME	AV JACK	02/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C40A		KR0R97 (2/6) (0)
		SCM141



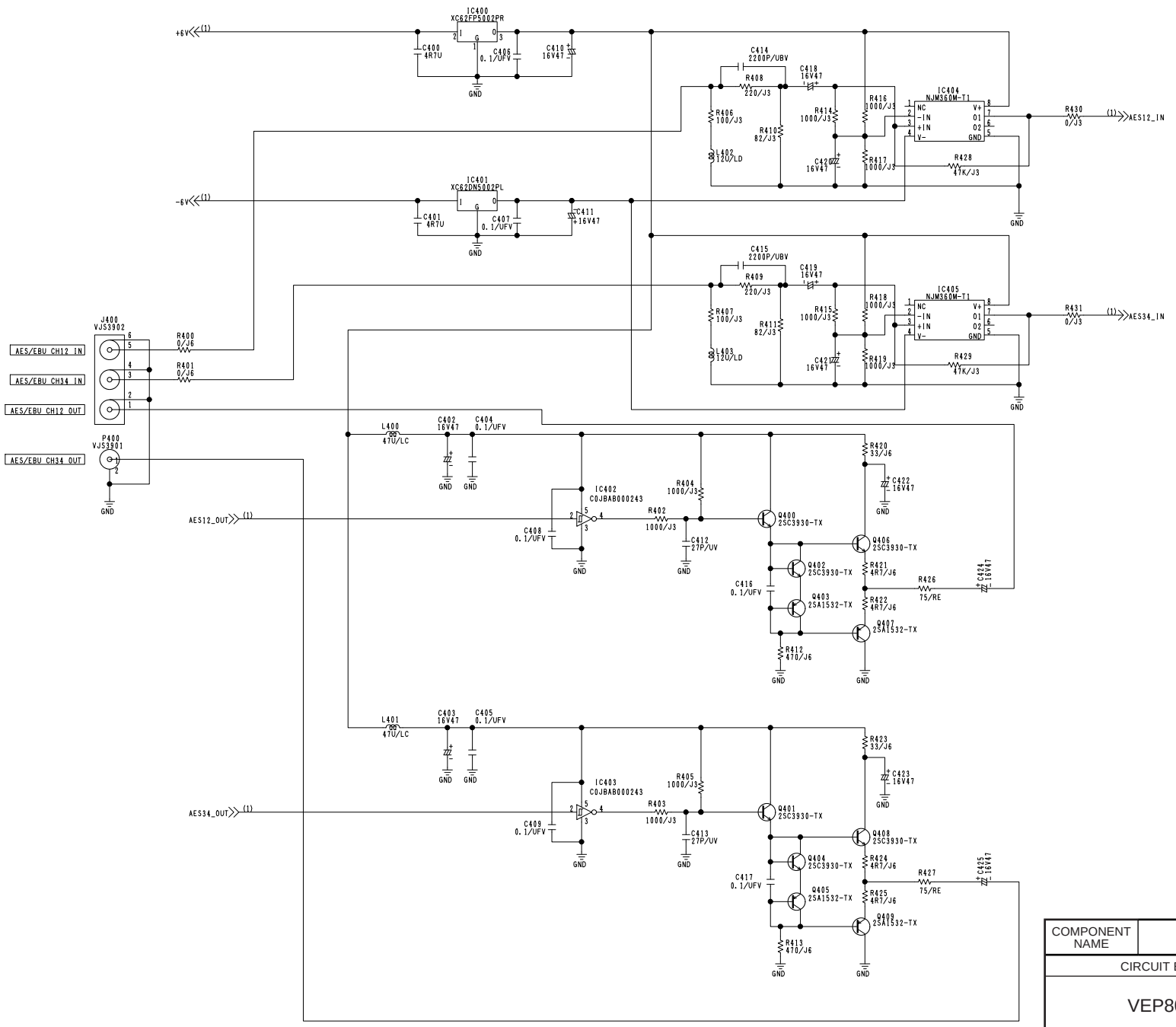
INPUT		J300, J301, J302, J303		J310	L316, L318, L320, L322 L324, L326, L328, L330 L344, L345	L312, L313 L317, L319, L321, L323 L325, L327, L329, L331
	P/E/MC	VJS3417		VJS3417	–	VLP0145
	T	VJP3417		VJP3417	VLP0145	–
OUTPUT		J304, J305, J306, J307	J308, J309	J311	L332, L333, L334, L335 L336, L337, L338, L339 L340, L341, L342, L343 L346, L347	L300, L301, L302, L303 L304, L305, L306, L307 L308, L309, L310, L311 L314, L315
	P/E/MC	VJP3417	VJP3417	VJP3417	VLP0145	–
	T	VJS3417	VJS3417	VJS3417	–	VLP0145



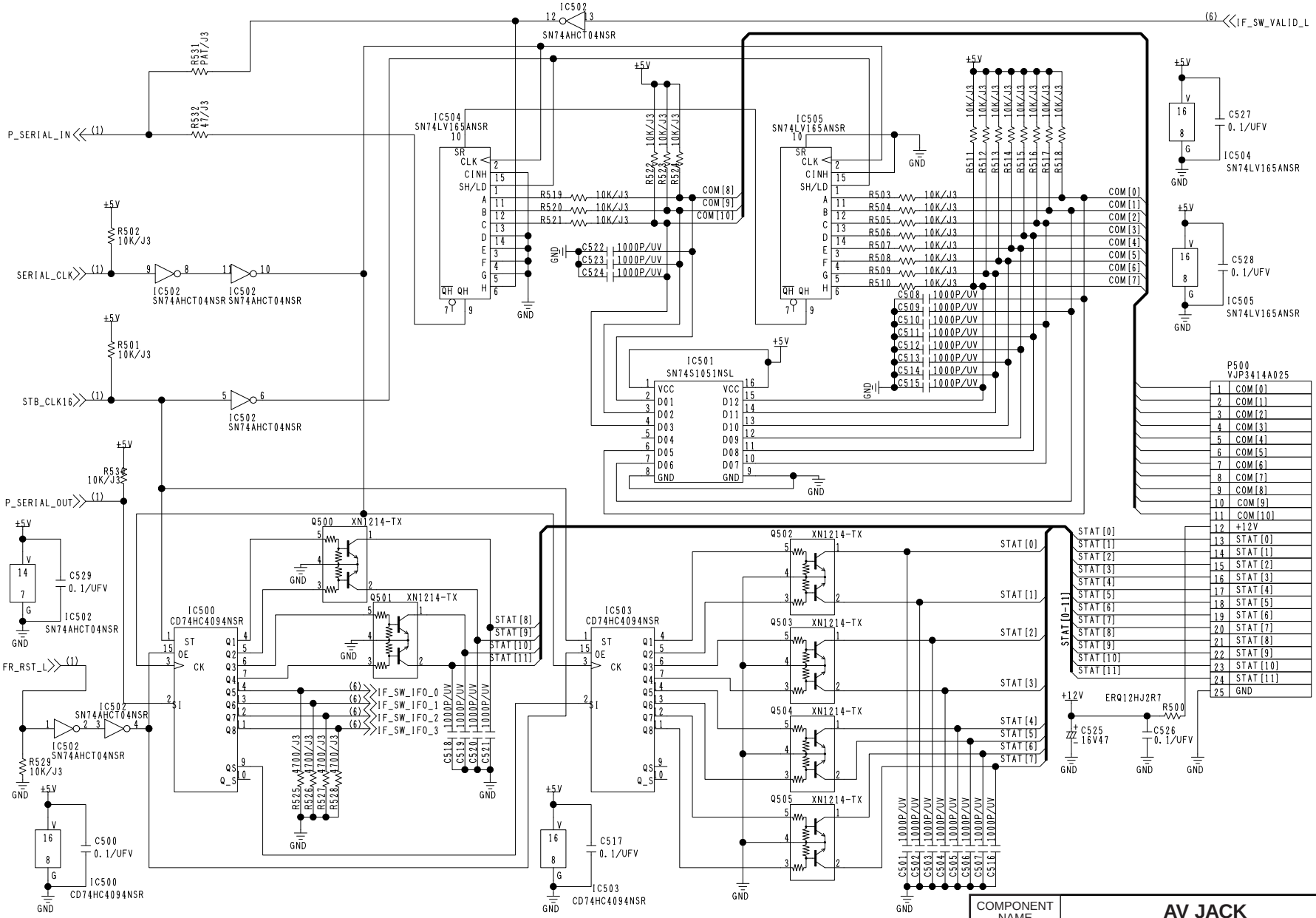
COMPONENT NAME	AV JACK(AUDIO ANALOG I/O)		03/06
CIRCUIT BOARD NO.		DRAWING NO.	
VEP80C40A		KR0R97 (3/6) (0)	
		SCM142	

A B C D E F G H I J

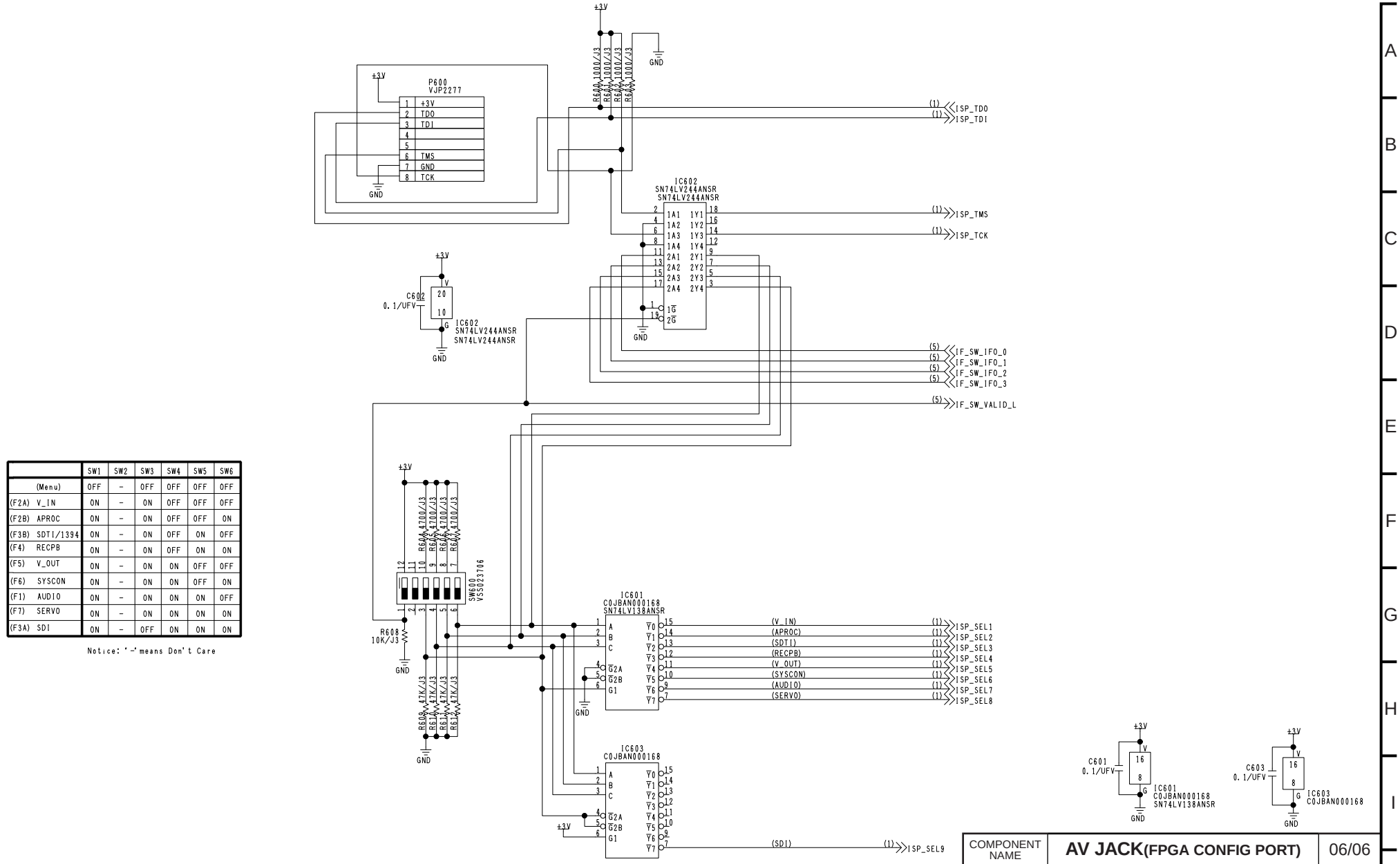
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	AV JACK(AES_IN/OUT)	04/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C40A		KR0R97 (4/6) (0)
		SCM143



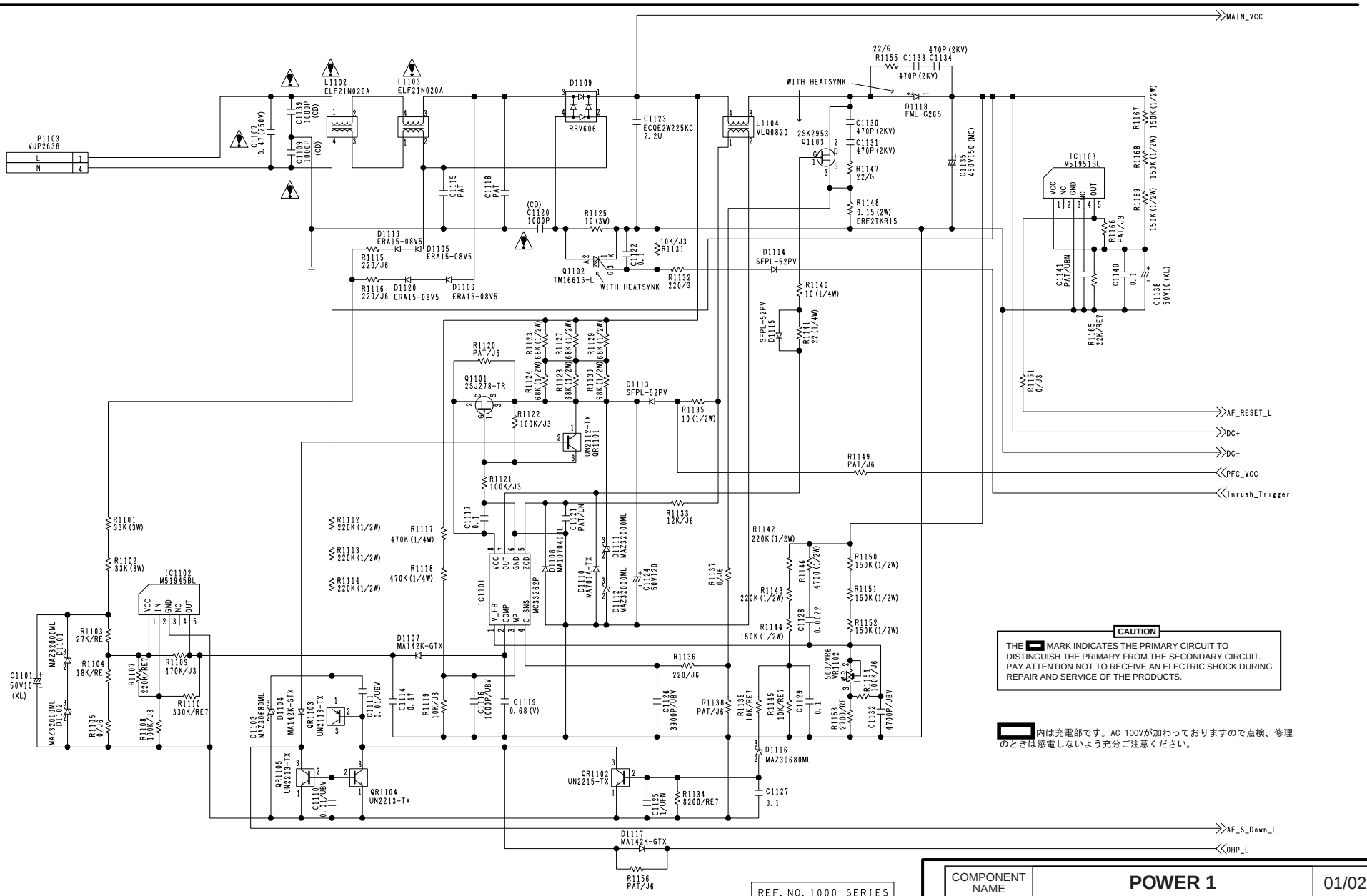
COMPONENT NAME	**AV JACK**	05/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C40A		KR0R97 (5/6) (0)
		SCM144



	SW1	SW2	SW3	SW4	SW5	SW6
(Menu)	OFF	-	OFF	OFF	OFF	OFF
(F2A) V_IN	ON	-	ON	OFF	OFF	OFF
(F2B) APROC	ON	-	ON	OFF	OFF	ON
(F3B) SDTI/1394	ON	-	ON	OFF	ON	OFF
(F4) RECPB	ON	-	ON	OFF	ON	ON
(F5) V_OUT	ON	-	ON	ON	OFF	OFF
(F6) SYSCON	ON	-	ON	ON	OFF	ON
(F1) AUDIO	ON	-	ON	ON	ON	OFF
(F7) SERVO	ON	-	ON	ON	ON	ON
(F3A) SDI	ON	-	OFF	ON	ON	ON

Notice: '-' means Don't Care

COMPONENT NAME	AV JACK(FPGA CONFIG PORT)	06/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C40A		KR0R97 (6/6) (0)
		SCM145

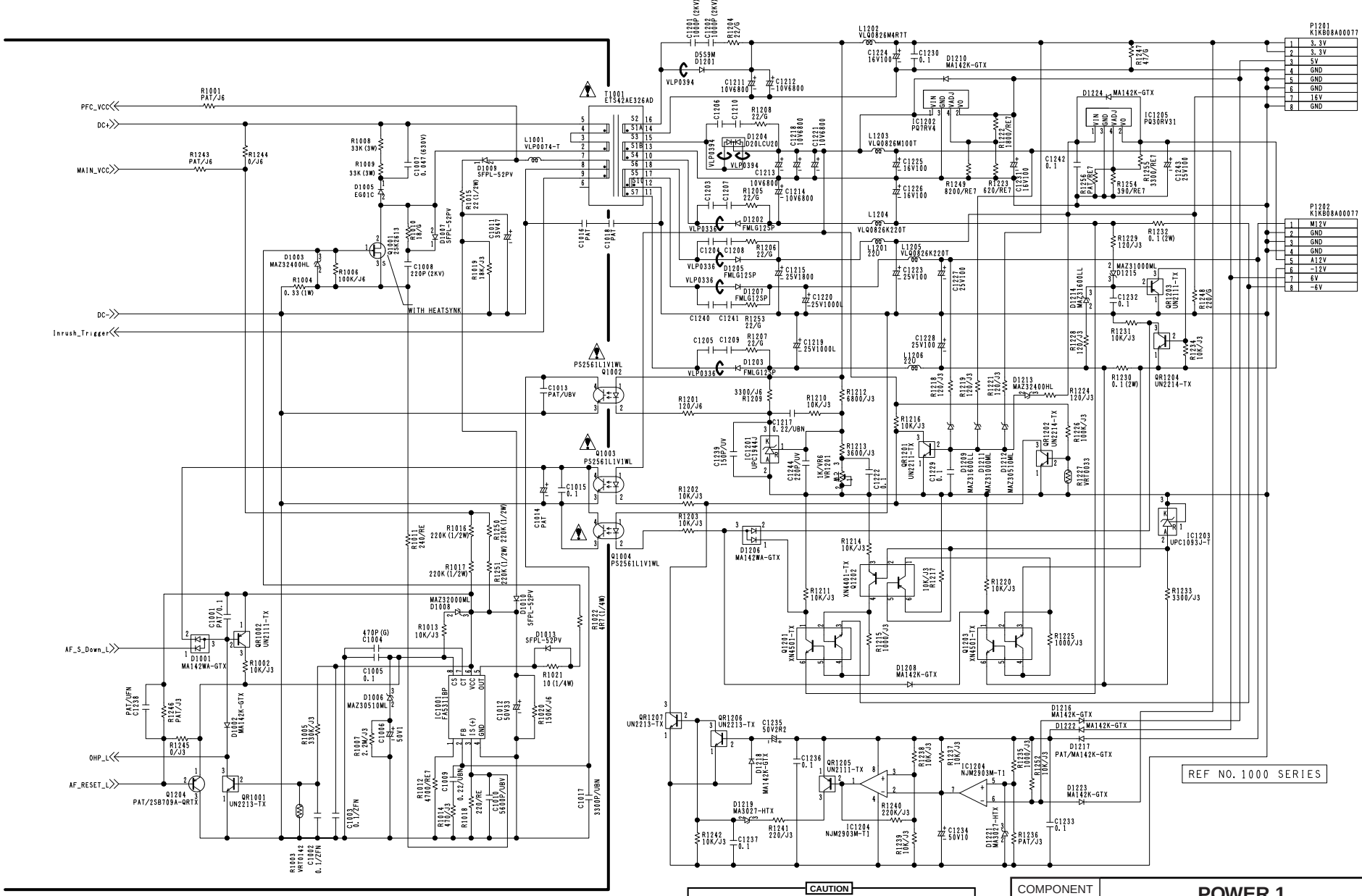


COMPONENT NAME	POWER 1	01/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP81221C		KR1G29 (1/2) (0)
		SCM146

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため必ず指定の部品をご使用ください。



IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警 告

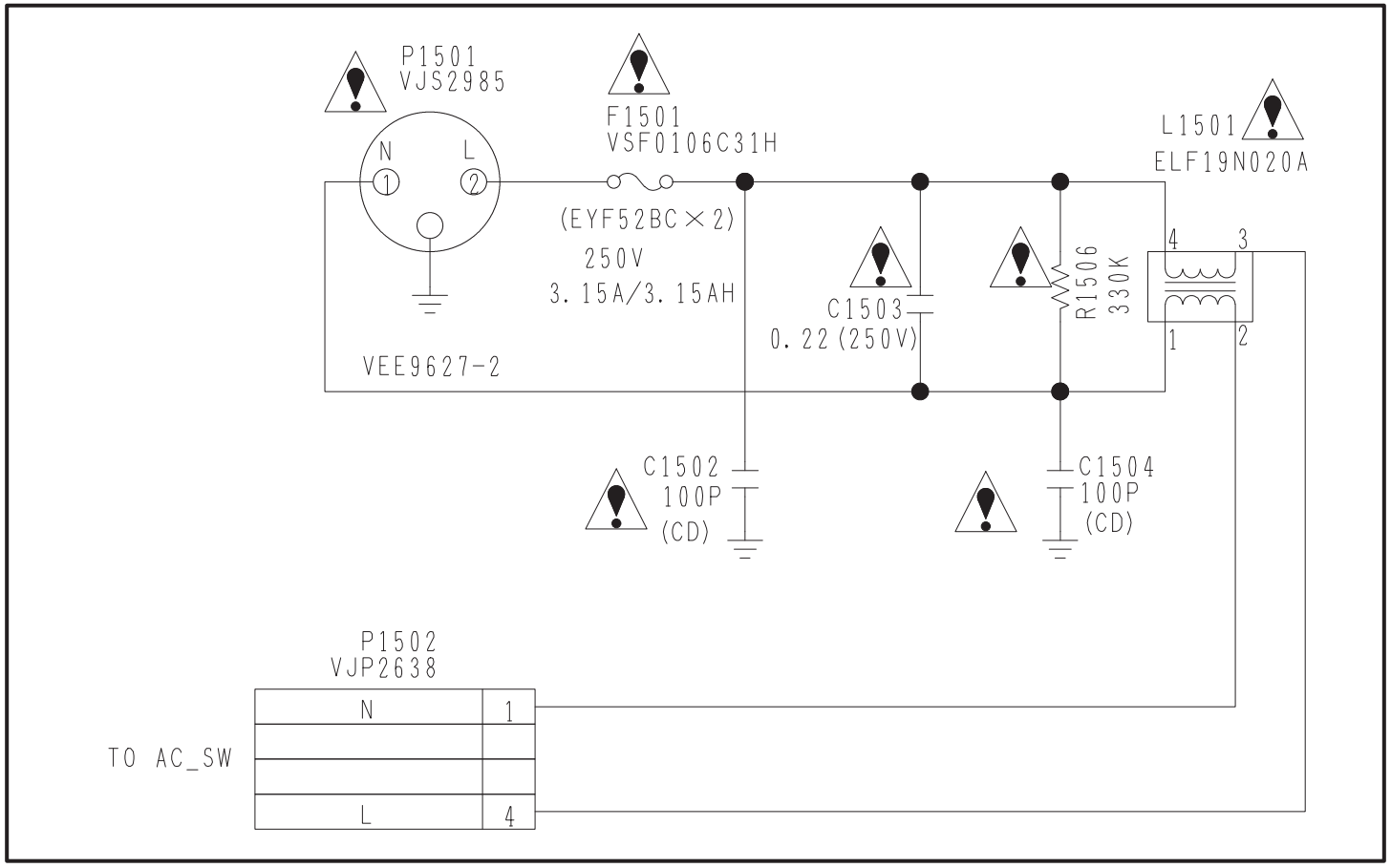
⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

▭内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

COMPONENT NAME	POWER 1	02/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP81221C		KR1G29 (2/2) (0)
		SCM147



⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

▭ 内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

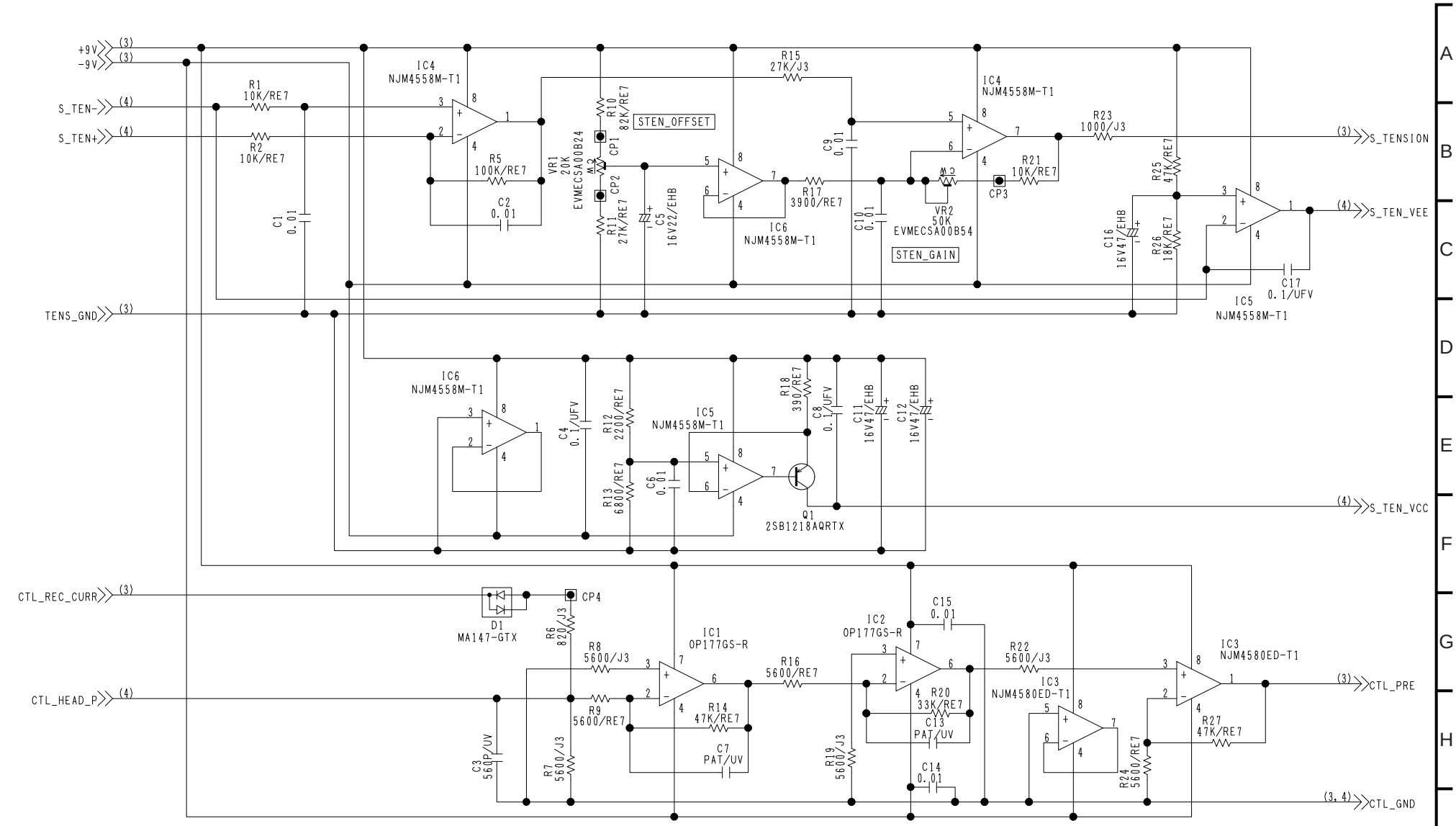
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

REF. NO. 1500 SERIES

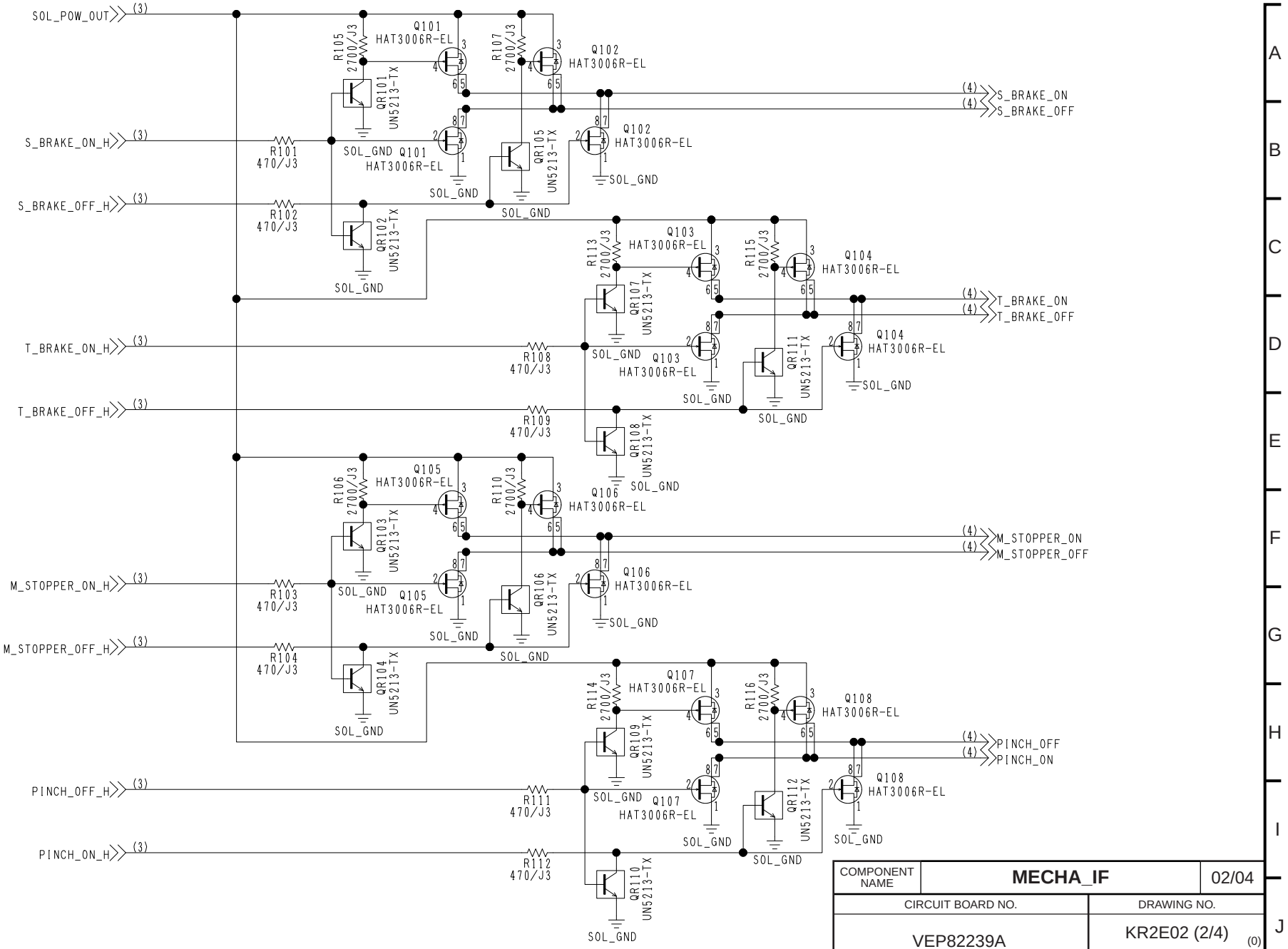
COMPONENT NAME	POWER 2	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP81222A	KR1E86 (1/1) (0)	
	SCM148	

A B C D E F G H I J

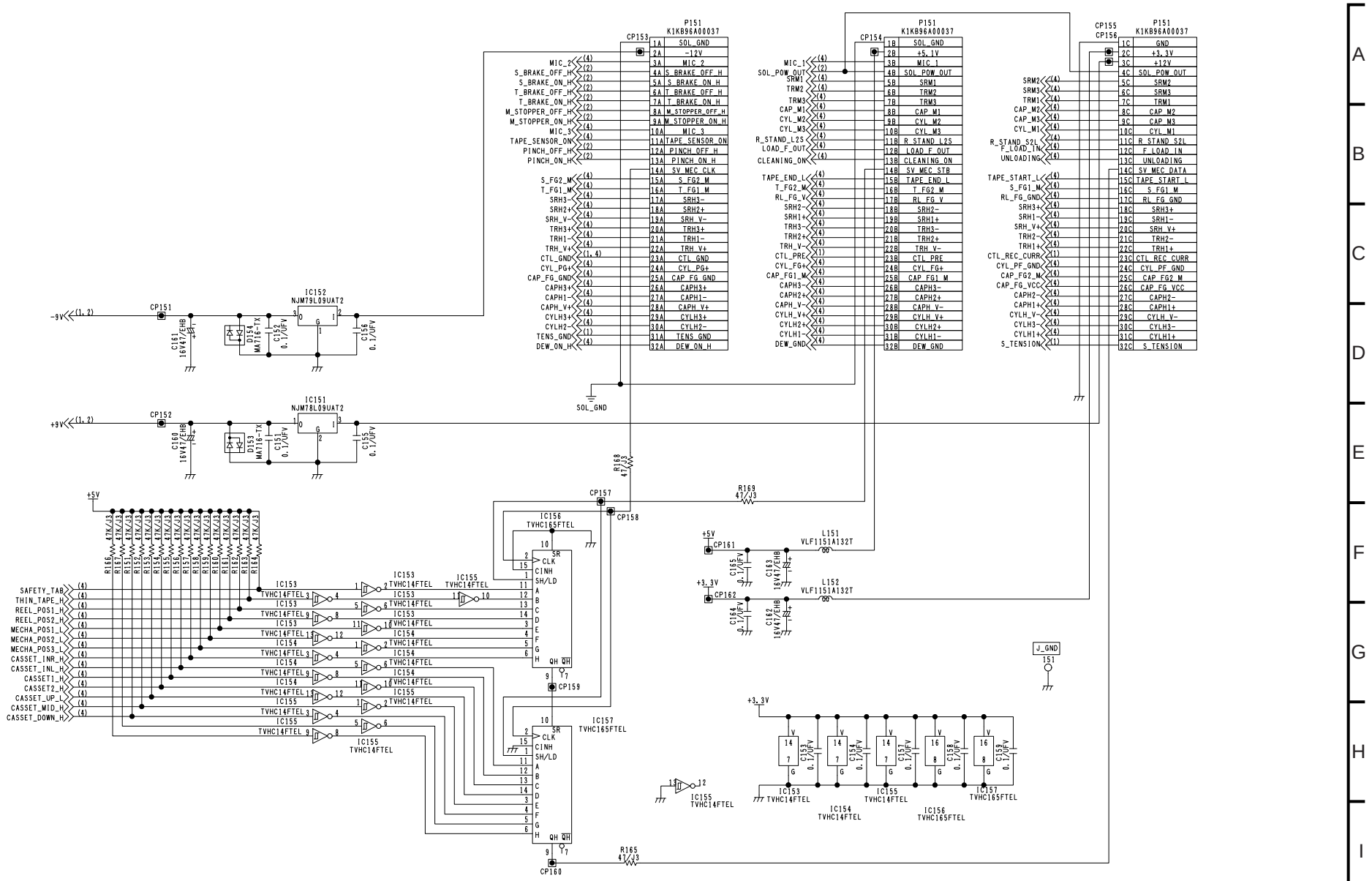
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



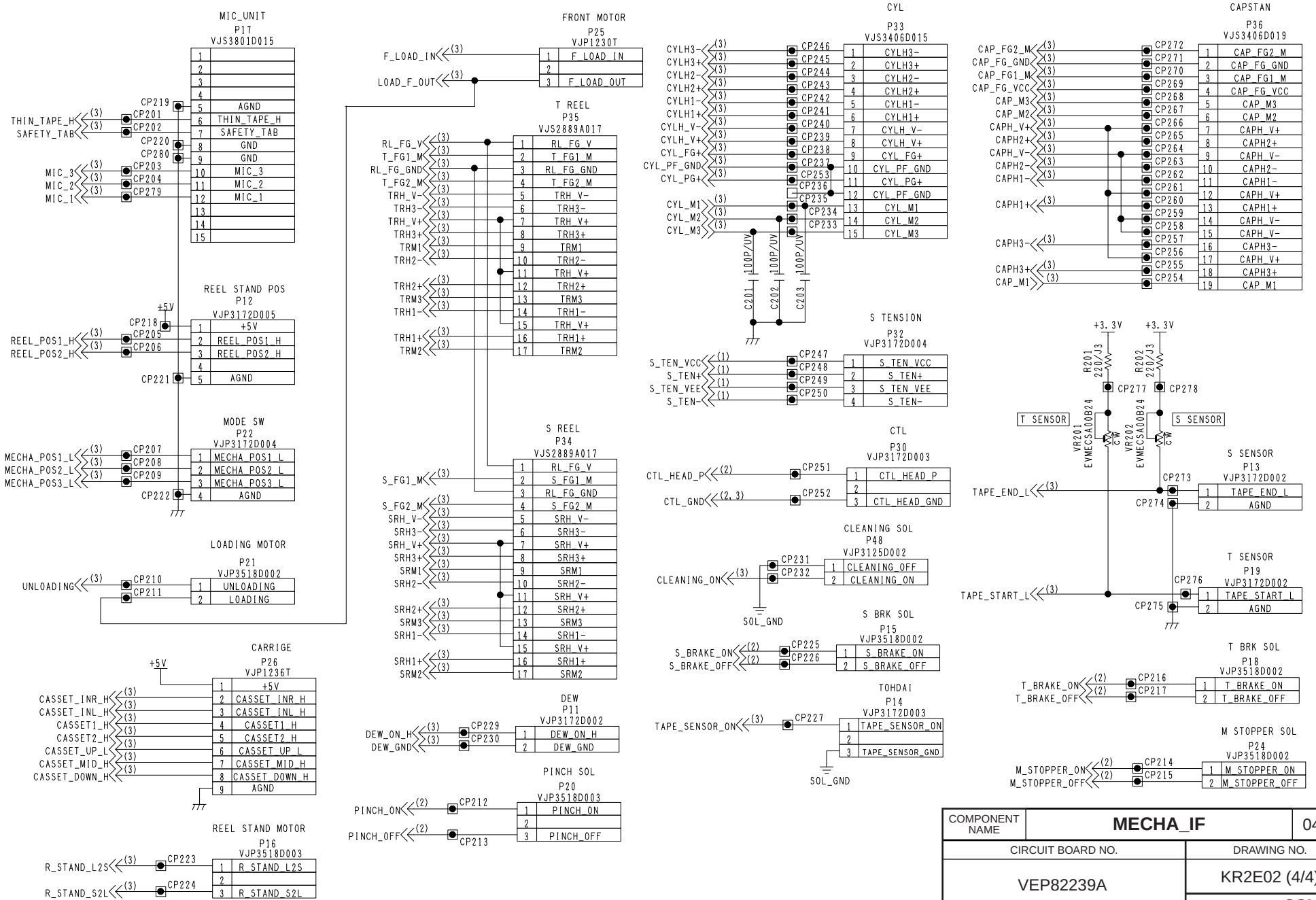
COMPONENT NAME	MECHA_IF	01/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP82239A		KR2E02 (1/4) (0)
		SCM149



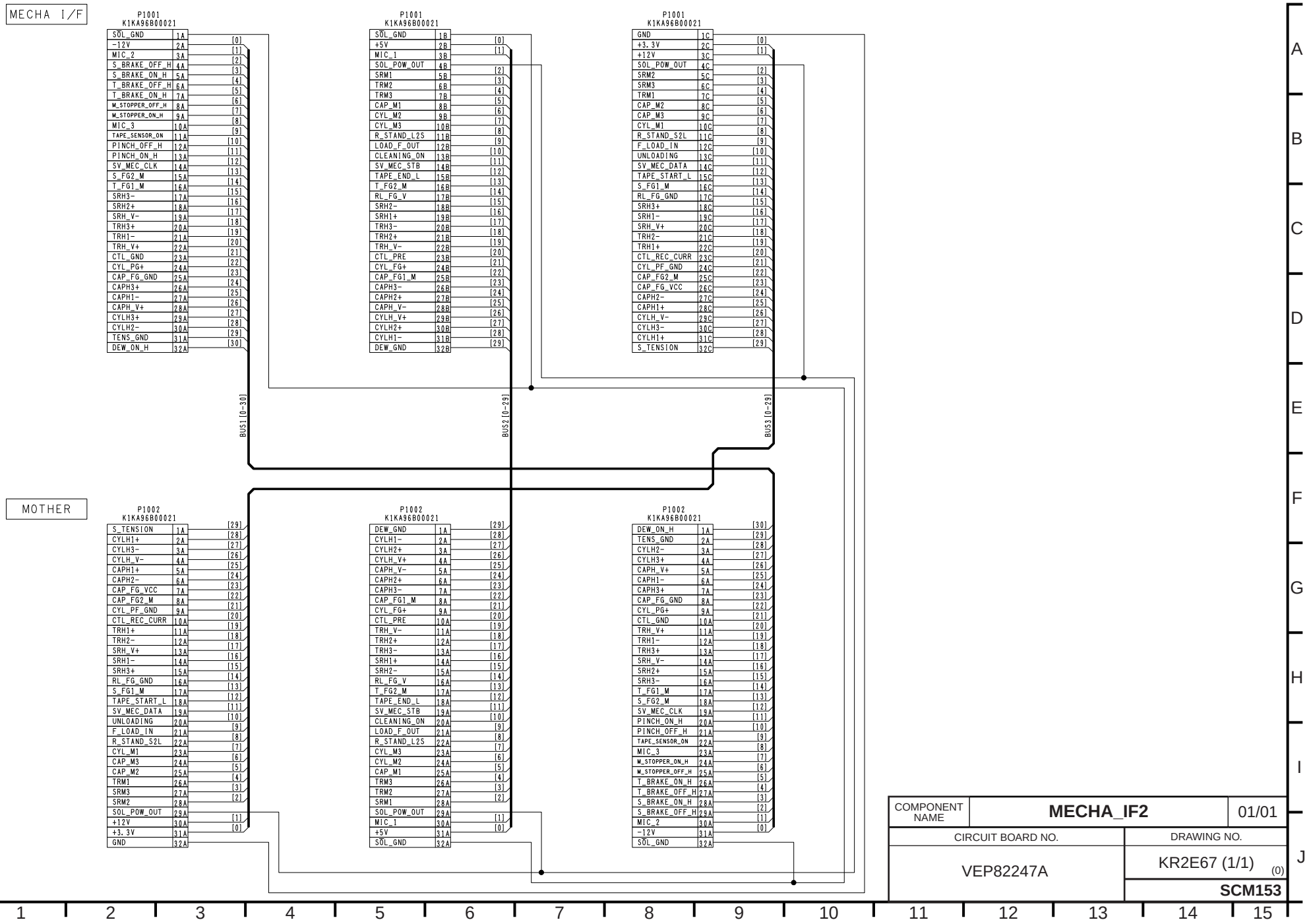
COMPONENT NAME	MECHA_IF	02/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP82239A		KR2E02 (2/4) (0)
		SCM150

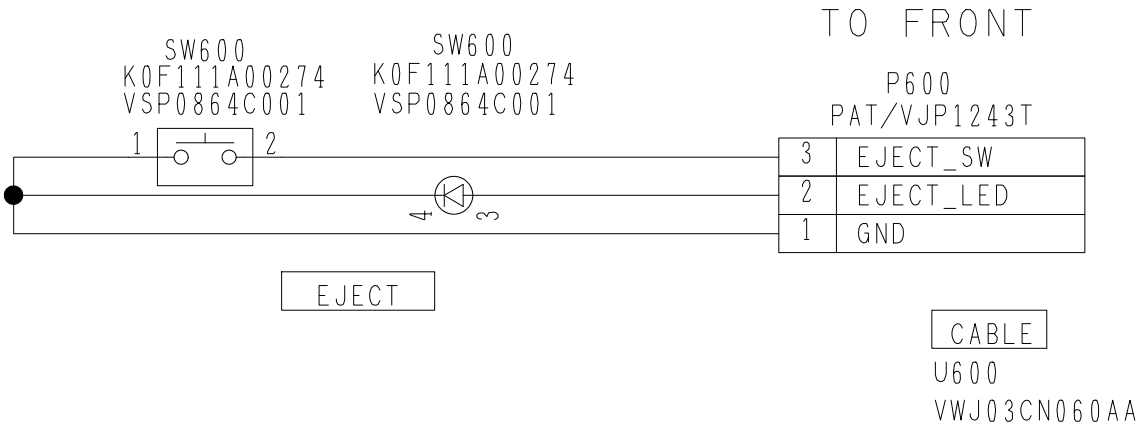


COMPONENT NAME	MECHA_IF	03/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP82239A		KR2E02 (3/4) (0)
		SCM151



COMPONENT NAME	MECHA_IF	04/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP82239A		KR2E02 (4/4) (0)
		SCM152

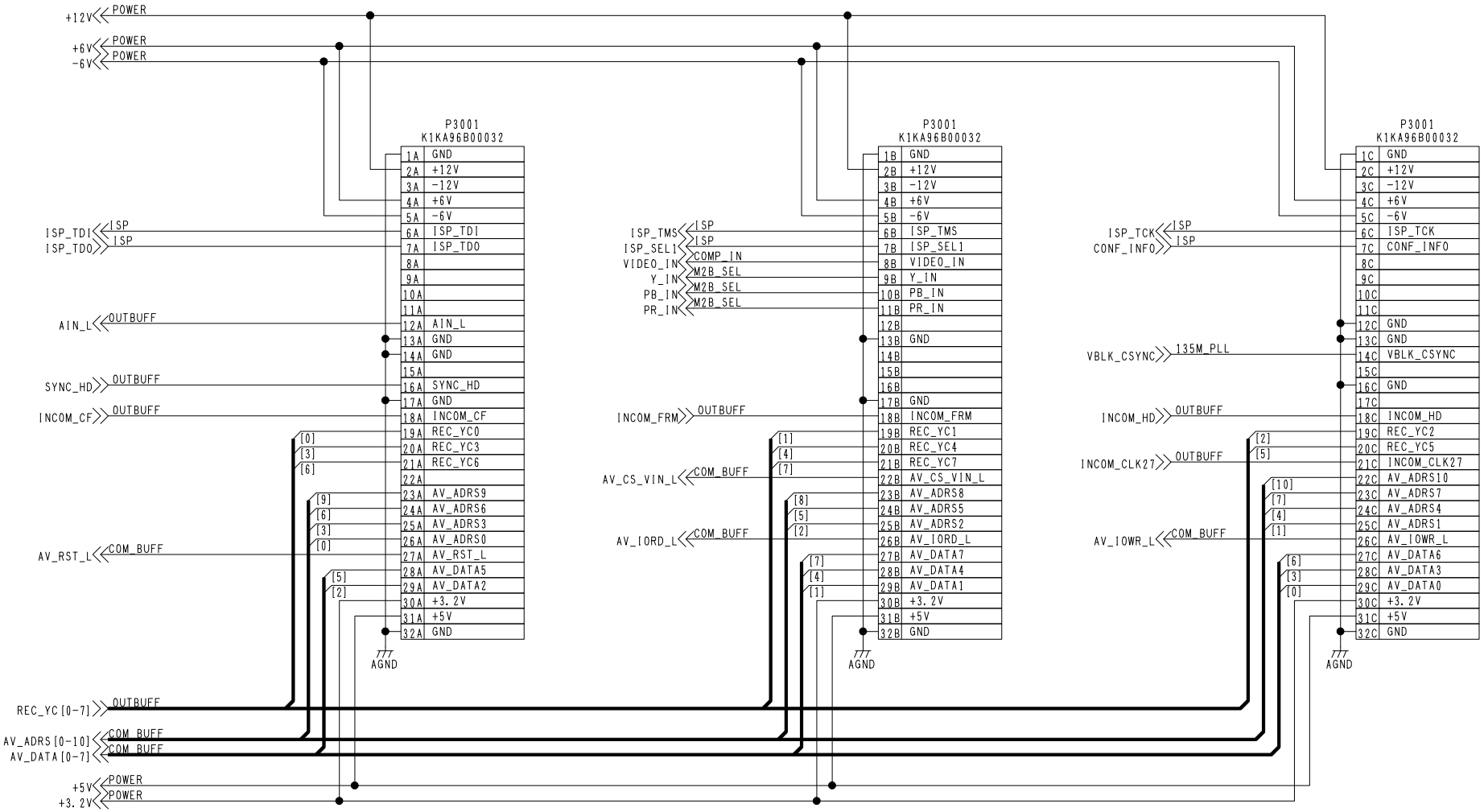

MECHA I/F
P1001
K1KA96B00021
SOL_GND 1A [0]
-12V 2A [1]
MIC_2 3A [2]
S_BRAKE_OFF_H 4A [3]
S_BRAKE_ON_H 5A [4]
T_BRAKE_OFF_H 6A [5]
T_BRAKE_ON_H 7A [6]
M_STOPPER_OFF_H 8A [7]
M_STOPPER_ON_H 9A [8]
MIC_3 10A [9]
TAPE_SENSOR_ON 11A [10]
PINCH_OFF_H 12A [11]
PINCH_ON_H 13A [12]
SV_MEC_CLK 14A [13]
S_FG2_M 15A [14]
T_FG1_M 16A [15]
SRH3- 17A [16]
SRH2+ 18A [17]
SRH_V- 19A [18]
TRH3+ 20A [19]
TRH1- 21A [20]
TRH_V+ 22A [21]
CTL_GND 23A [22]
CYL_PG+ 24A [23]
CAP_FG_GND 25A [24]
CAPH3+ 26A [25]
CAPH1- 27A [26]
CAPH_V+ 28A [27]
CYLH3+ 29A [28]
CYLH2- 30A [29]
TENS_GND 31A [30]
DEW_ON_H 32A
BUS1 [0-30]
P1001
K1KA96B00021
SOL_GND 1B [0]
+5V 2B [1]
MIC_1 3B [2]
SOL_POW_OUT 4B [3]
SRM1 5B [4]
TRM2 6B [5]
TRM3 7B [6]
CAP_M1 8B [7]
CYL_M2 9B [8]
CYL_M3 10B [9]
R_STAND_L2S 11B [10]
LOAD_F_OUT 12B [11]
CLEANING_ON 13B [12]
SV_MEC_STB 14B [13]
TAPE_END_L 15B [14]
T_FG2_M 16B [15]
RL_FG_V 17B [16]
SRH2- 18B [17]
SRH1+ 19B [18]
TRH3- 20B [19]
TRH2+ 21B [20]
TRH_V- 22B [21]
CTL_PRE 23B [22]
CYL_FG+ 24B [23]
CAP_FG1_M 25B [24]
CAPH3- 26B [25]
CAPH2+ 27B [26]
CAPH_V- 28B [27]
CYLH_V+ 29B [28]
CYLH2+ 30B [29]
CYLH1- 31B
DEW_GND 32B
BUS2 [0-29]
P1001
K1KA96B00021
GND 1C [0]
+3.3V 2C [1]
+12V 3C [2]
SOL_POW_OUT 4C [3]
SRM2 5C [4]
SRM3 6C [5]
TRM1 7C [6]
CAP_M2 8C [7]
CAP_M3 9C [8]
CYL_M1 10C [9]
R_STAND_S2L 11C [10]
F_LOAD_IN 12C [11]
UNLOADING 13C [12]
SV_MEC_DATA 14C [13]
TAPE_START_L 15C [14]
S_FG1_M 16C [15]
RL_FG_GND 17C [16]
SRH3+ 18C [17]
SRH1- 19C [18]
SRH_V+ 20C [19]
TRH2- 21C [20]
TRH1+ 22C [21]
CTL_REC_CURR 23C [22]
CYL_PF_GND 24C [23]
CAP_FG2_M 25C [24]
CAP_FG_VCC 26C [25]
CAPH2- 27C [26]
CAPH1+ 28C [27]
CYLH_V- 29C [28]
CYLH3- 30C [29]
CYLH1+ 31C
S_TENSION 32C
BUS3 [0-29]
MOTHER
P1002
K1KA96B00021
S_TENSION 1A [29]
CYLH1+ 2A [28]
CYLH3- 3A [27]
CYLH_V- 4A [26]
CAPH1+ 5A [25]
CAPH2- 6A [24]
CAP_FG_VCC 7A [23]
CAP_FG2_M 8A [22]
CYL_PF_GND 9A [21]
CTL_REC_CURR 10A [20]
TRH1+ 11A [19]
TRH2- 12A [18]
SRH_V+ 13A [17]
SRH1- 14A [16]
SRH3+ 15A [15]
RL_FG_GND 16A [14]
S_FG1_M 17A [13]
TAPE_START_L 18A [12]
SV_MEC_DATA 19A [11]
UNLOADING 20A [10]
F_LOAD_IN 21A [9]
R_STAND_S2L 22A [8]
CYL_M1 23A [7]
CAP_M3 24A [6]
CAP_M2 25A [5]
TRM1 26A [4]
SRM3 27A [3]
SRM2 28A [2]
SOL_POW_OUT 29A [1]
+12V 30A [0]
+3.3V 31A
GND 32A
P1002
K1KA96B00021
DEW_GND 1A [29]
CYLH1- 2A [28]
CYLH2+ 3A [27]
CYLH_V+ 4A [26]
CAPH_V- 5A [25]
CAPH2+ 6A [24]
CAPH3- 7A [23]
CAP_FG1_M 8A [22]
CYL_FG+ 9A [21]
CTL_PRE 10A [20]
TRH_V- 11A [19]
TRH2+ 12A [18]
TRH3- 13A [17]
SRH1+ 14A [16]
SRH2- 15A [15]
RL_FG_V 16A [14]
T_FG2_M 17A [13]
TAPE_END_L 18A [12]
SV_MEC_STB 19A [11]
CLEANING_ON 20A [10]
LOAD_F_OUT 21A [9]
R_STAND_L2S 22A [8]
CYL_M3 23A [7]
CYL_M2 24A [6]
CAP_M1 25A [5]
TRM3 26A [4]
TRM2 27A [3]
SRM1 28A [2]
SOL_POW_OUT 29A [1]
MIC_1 30A [0]
+5V 31A
SOL_GND 32A
P1002
K1KA96B00021
DEW_ON_H 1A [30]
TENS_GND 2A [29]
CYLH2- 3A [28]
CYLH3+ 4A [27]
CAPH_V+ 5A [26]
CAPH1- 6A [25]
CAPH3+ 7A [24]
CAP_FG_GND 8A [23]
CYL_PG+ 9A [22]
CTL_GND 10A [21]
TRH_V+ 11A [20]
TRH1- 12A [19]
TRH3+ 13A [18]
SRH_V- 14A [17]
SRH2+ 15A [16]
SRH3- 16A [15]
T_FG1_M 17A [14]
S_FG2_M 18A [13]
SV_MEC_CLK 19A [12]
PINCH_ON_H 20A [11]
PINCH_OFF_H 21A [10]
TAPE_SENSOR_ON 22A [9]
MIC_3 23A [8]
M_STOPPER_ON_H 24A [7]
M_STOPPER_OFF_H 25A [6]
T_BRAKE_ON_H 26A [5]
T_BRAKE_OFF_H 27A [4]
S_BRAKE_ON_H 28A [3]
S_BRAKE_OFF_H 29A [2]
MIC_2 30A [1]
-12V 31A [0]
SOL_GND 32A
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
COMPONENT NAME
MECHA_IF2
01/01
CIRCUIT BOARD NO.
VEP82247A
DRAWING NO.
KR2E67 (1/1) (0)
SCM153



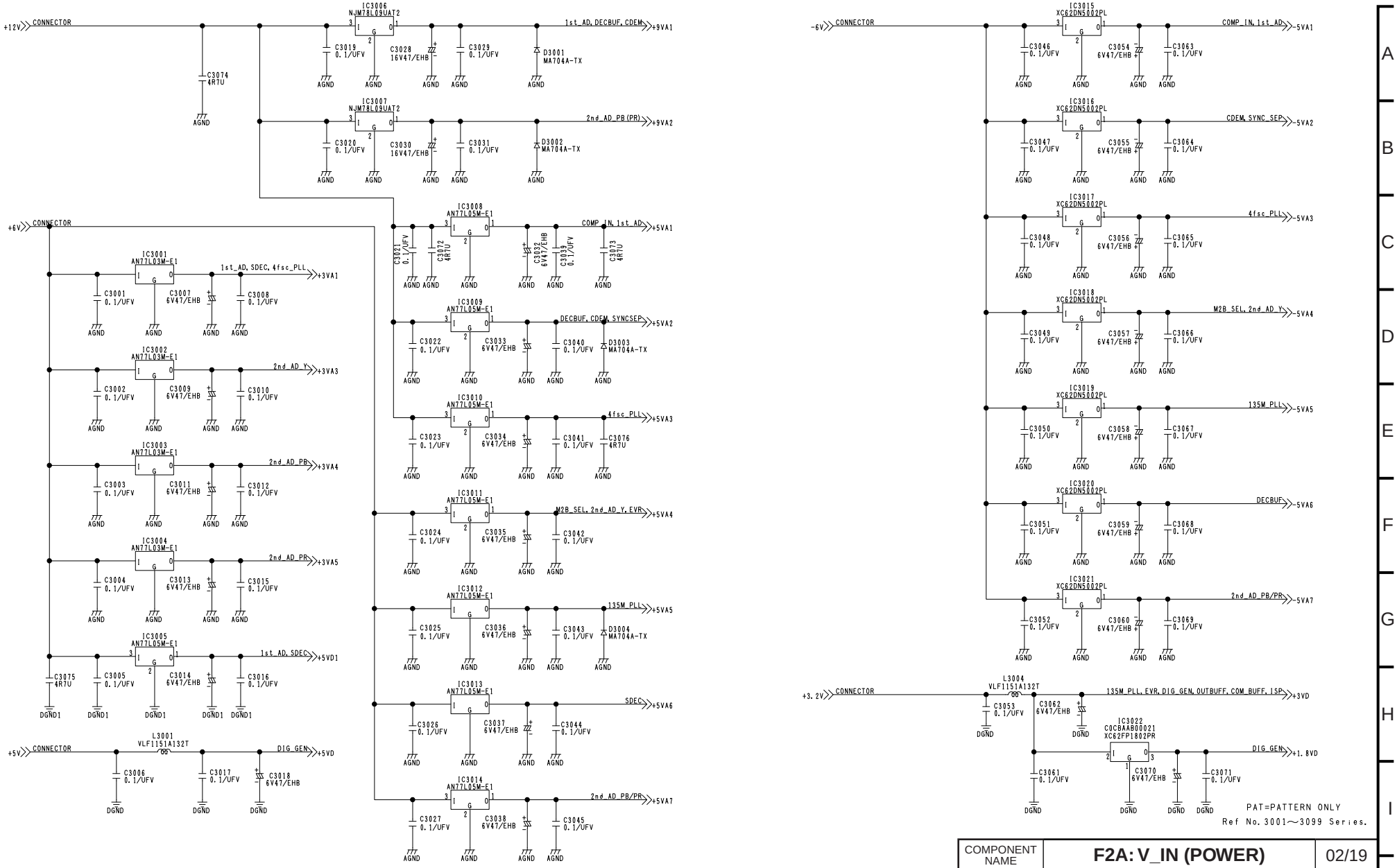
COMPONENT NAME	**EJECT**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C42A	KR0R99 (1/1) (0)	
	SCM154	

A B C D E F G H I J

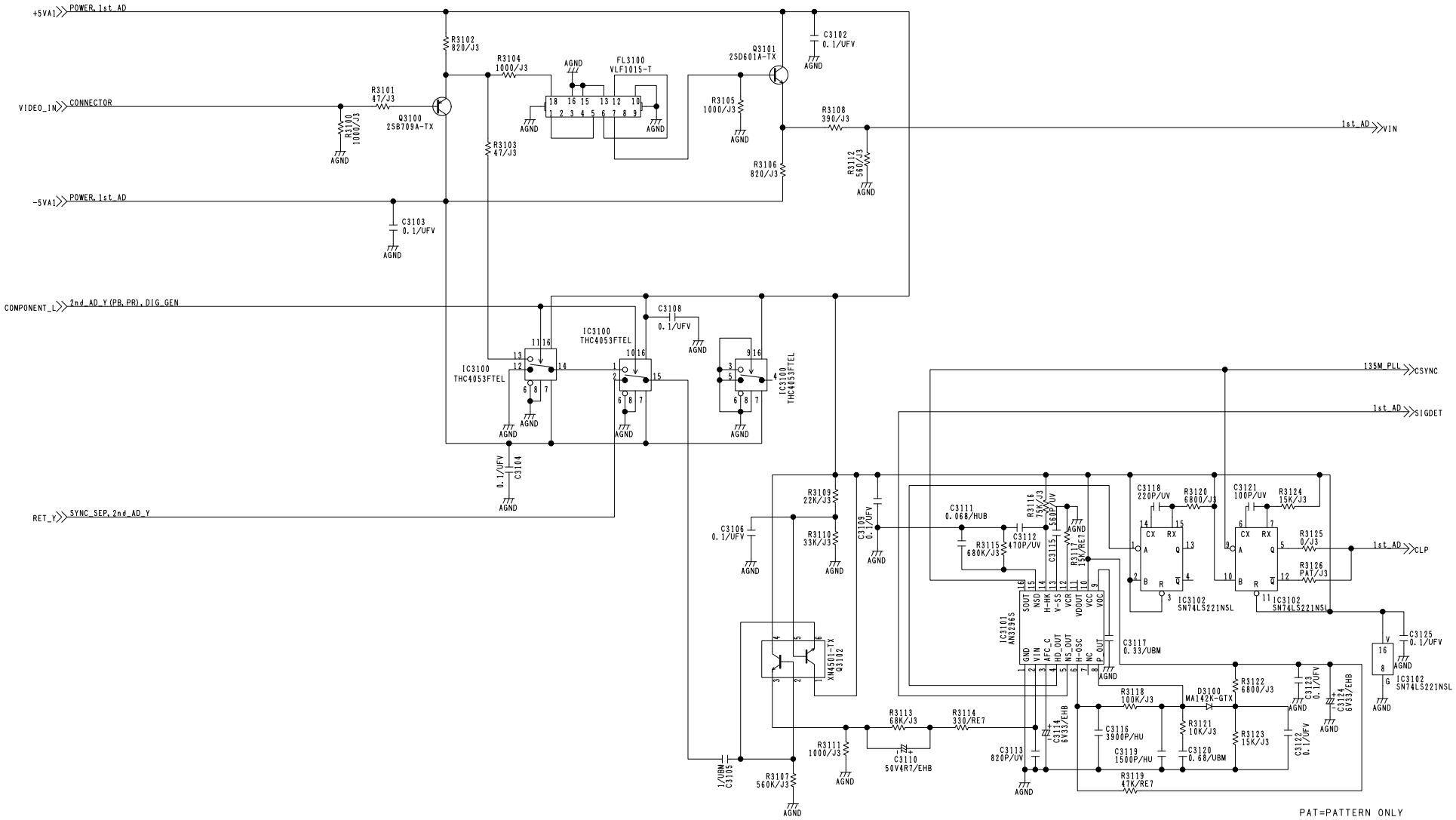
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



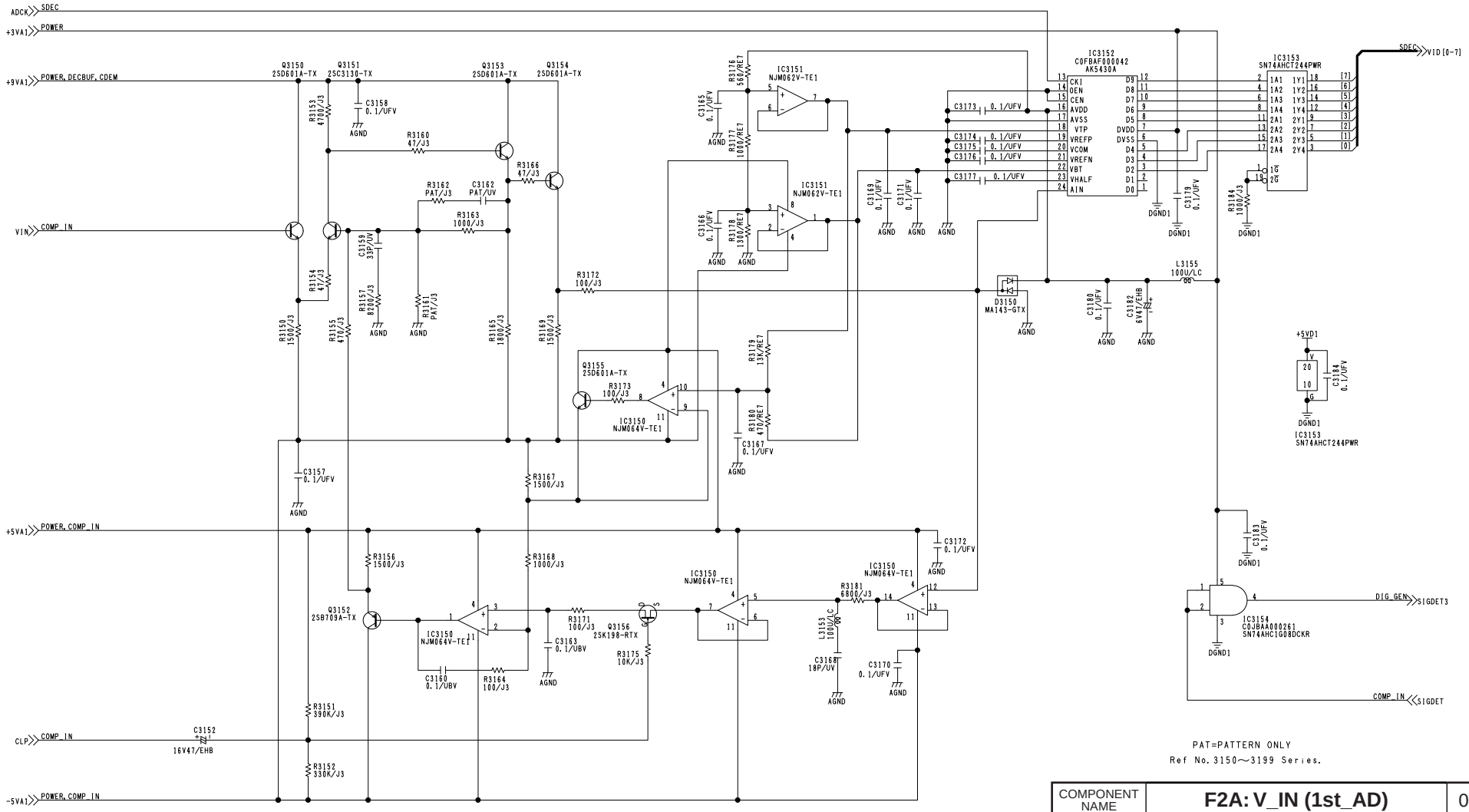
COMPONENT NAME	**F2A: V_IN (CONNECTOR)**	01/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (1/19) (0)
		SCM155



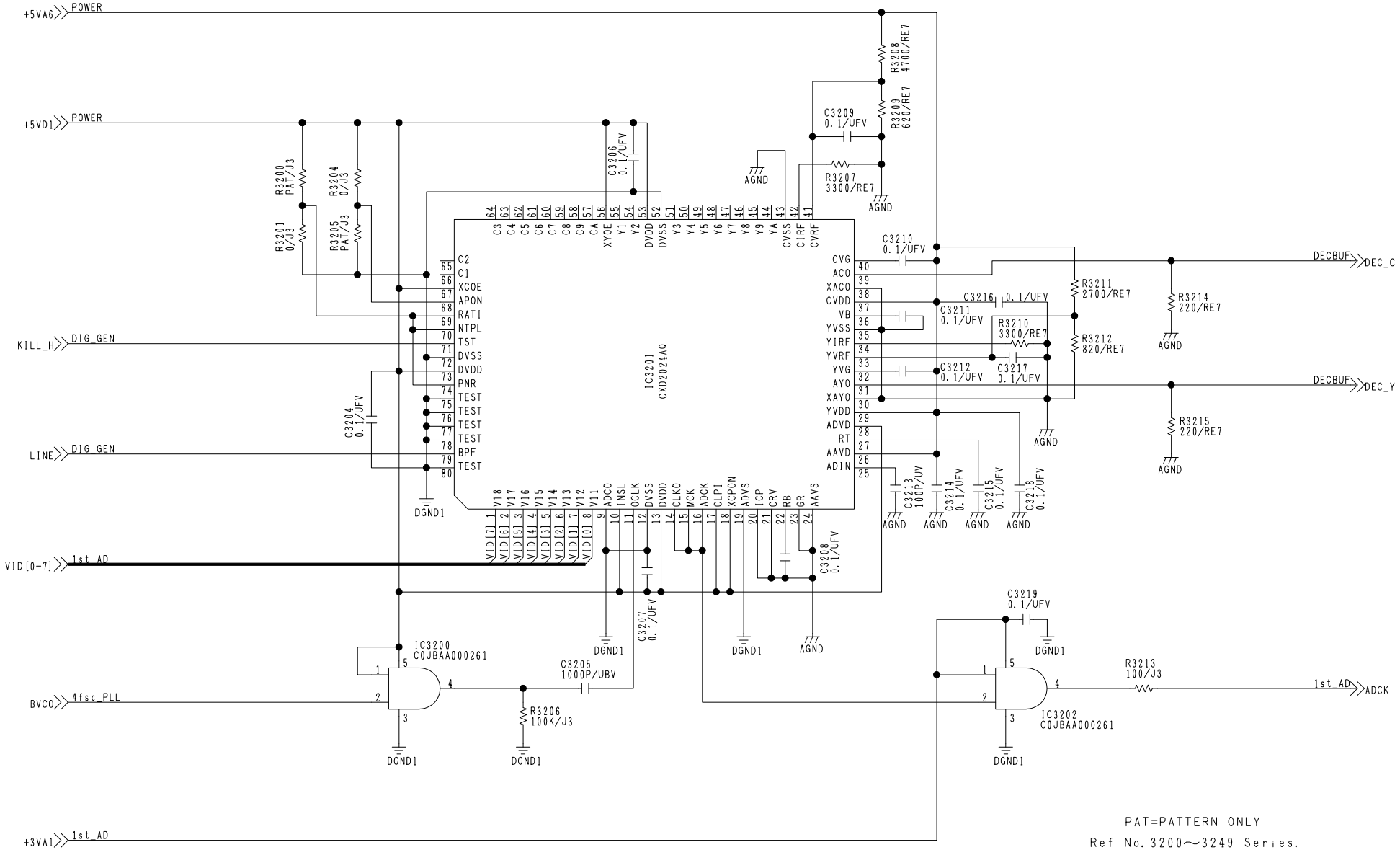
COMPONENT NAME	**F2A: V_IN (POWER)**	02/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (2/19) (0)
		SCM156



COMPONENT NAME	F2A: V_IN (COMP_IN)	03/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (3/19) (0)
		SCM157



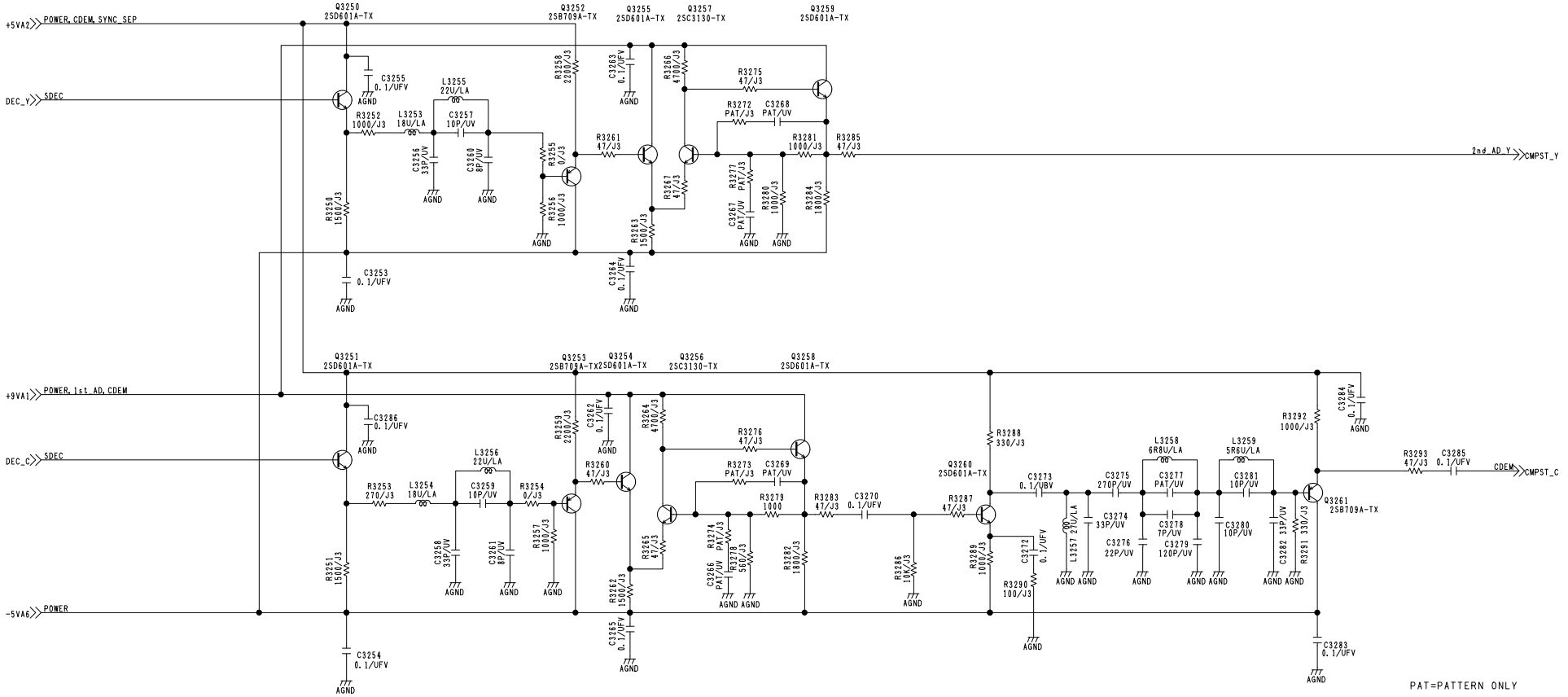
COMPONENT NAME	**F2A: V_IN (1st_AD)**	04/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (4/19) (0)
		SCM158



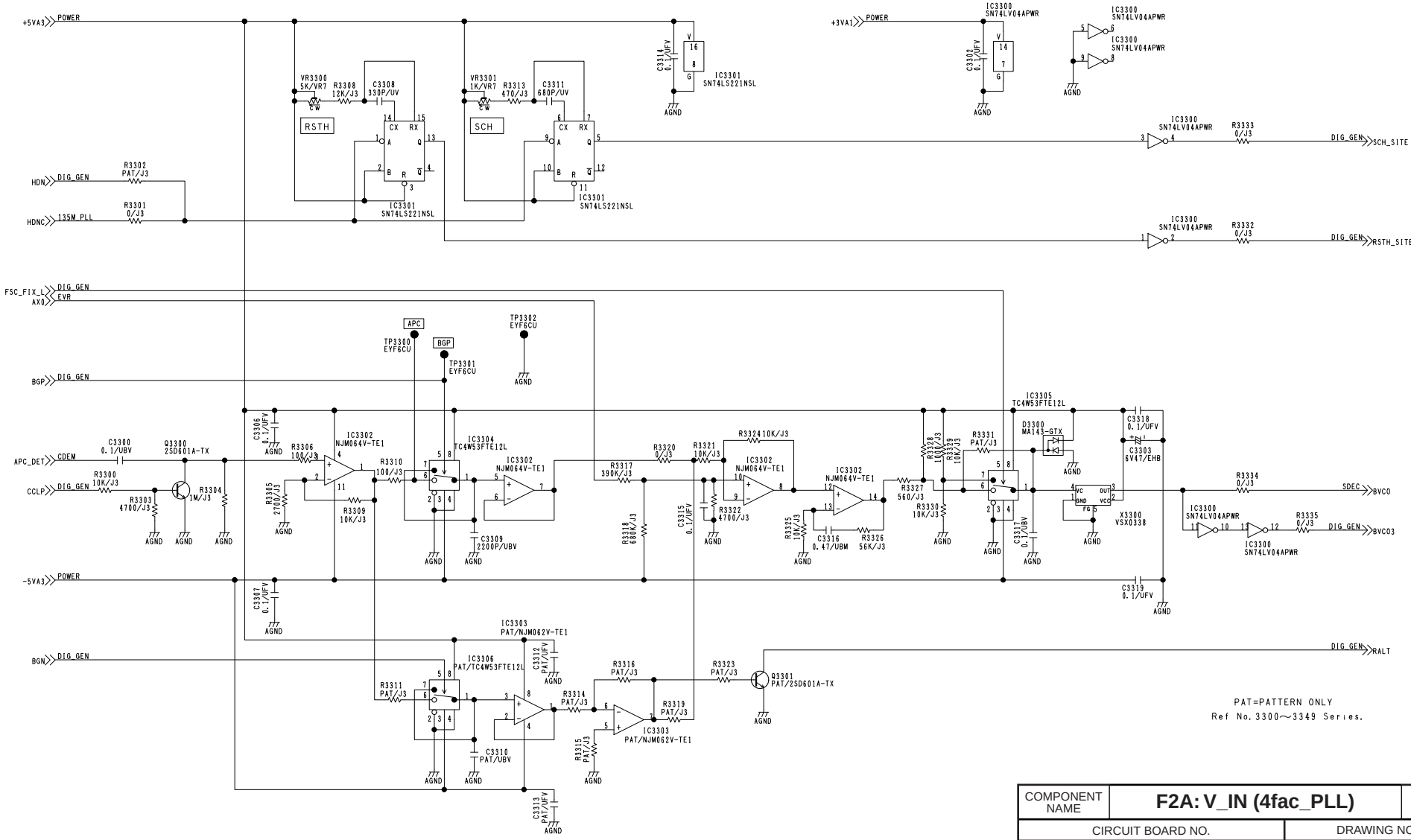
PAT=PATTERN ONLY

Ref No. 3200～3249 Series.

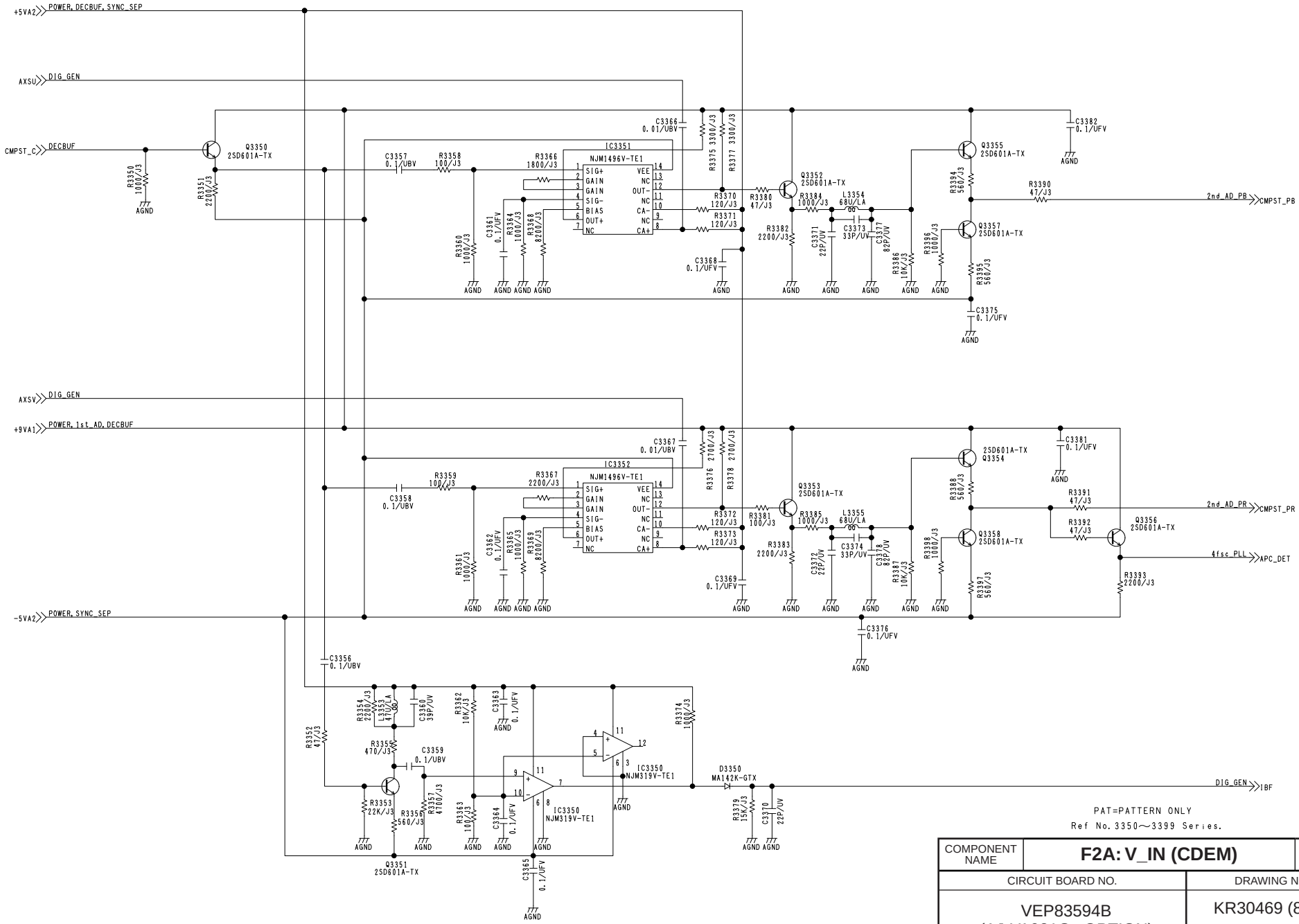
COMPONENT NAME	**F2A: V_IN (SDEC)**	05/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (5/19) (0)
		SCM159



COMPONENT NAME	**F2A: V_IN (DECBUF)**	06/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (6/19) (0)
		SCM160



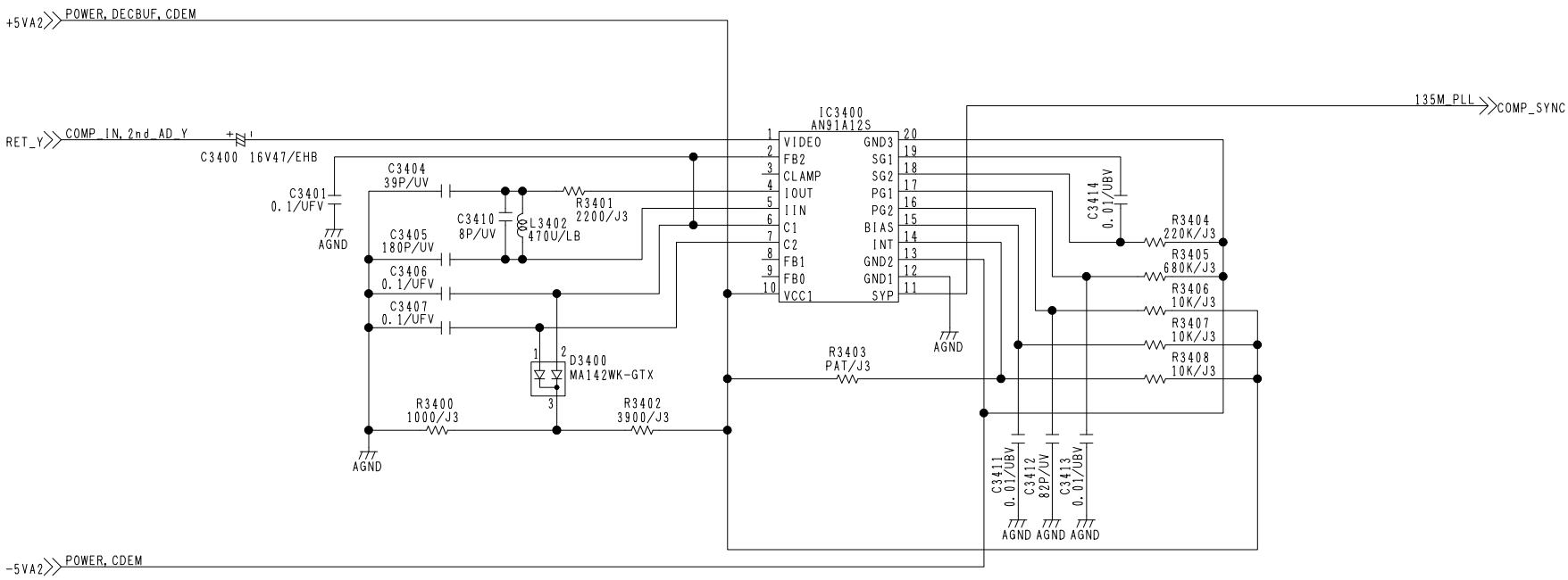
COMPONENT NAME	F2A: V_IN (4fac_PLL)	07/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (7/19) (0) **SCM161**



PAT=PATTERN ONLY

Ref No. 3350～3399 Series.

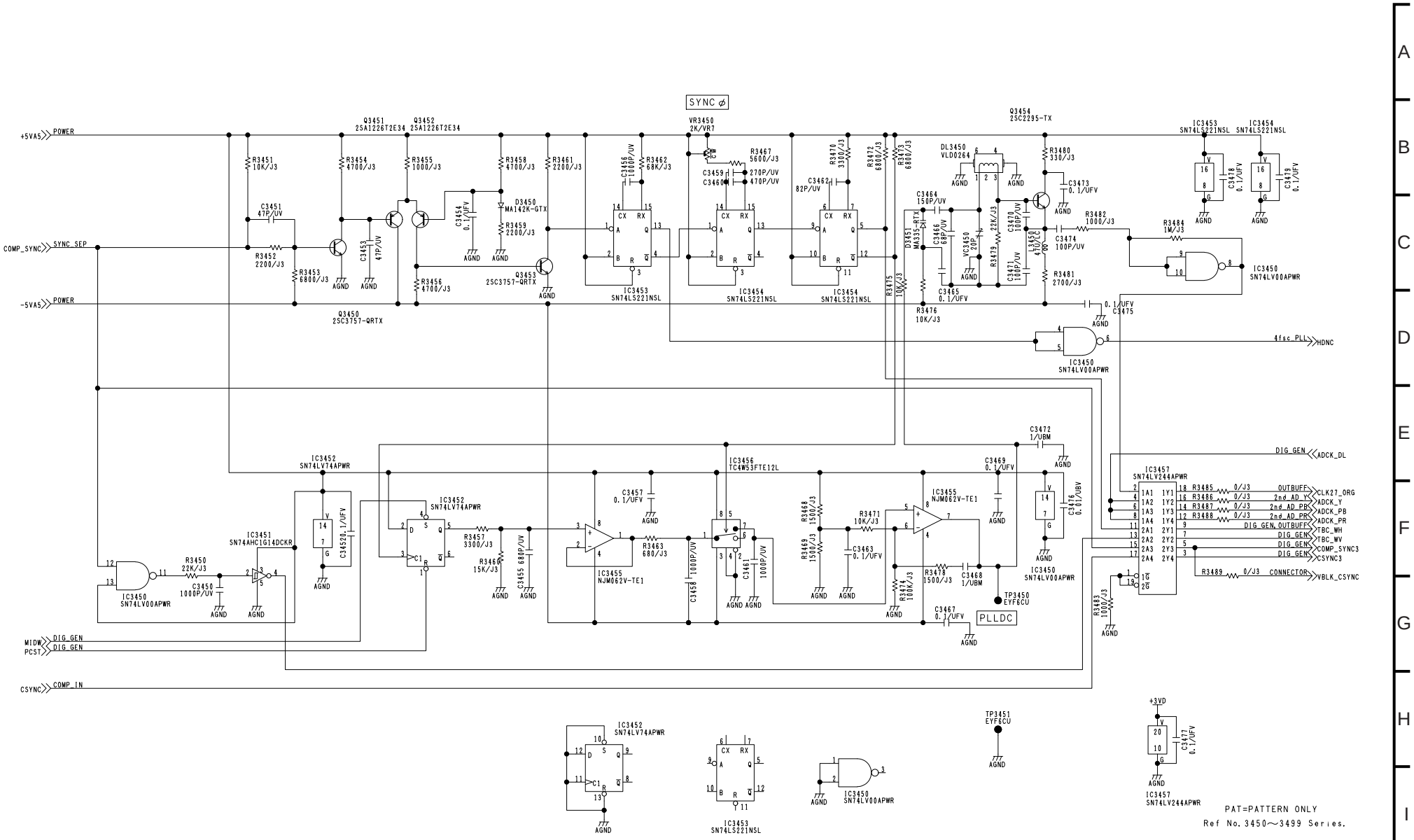
COMPONENT NAME	F2A: V_IN (CDEM)	08/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (8/19) (0)
		SCM162



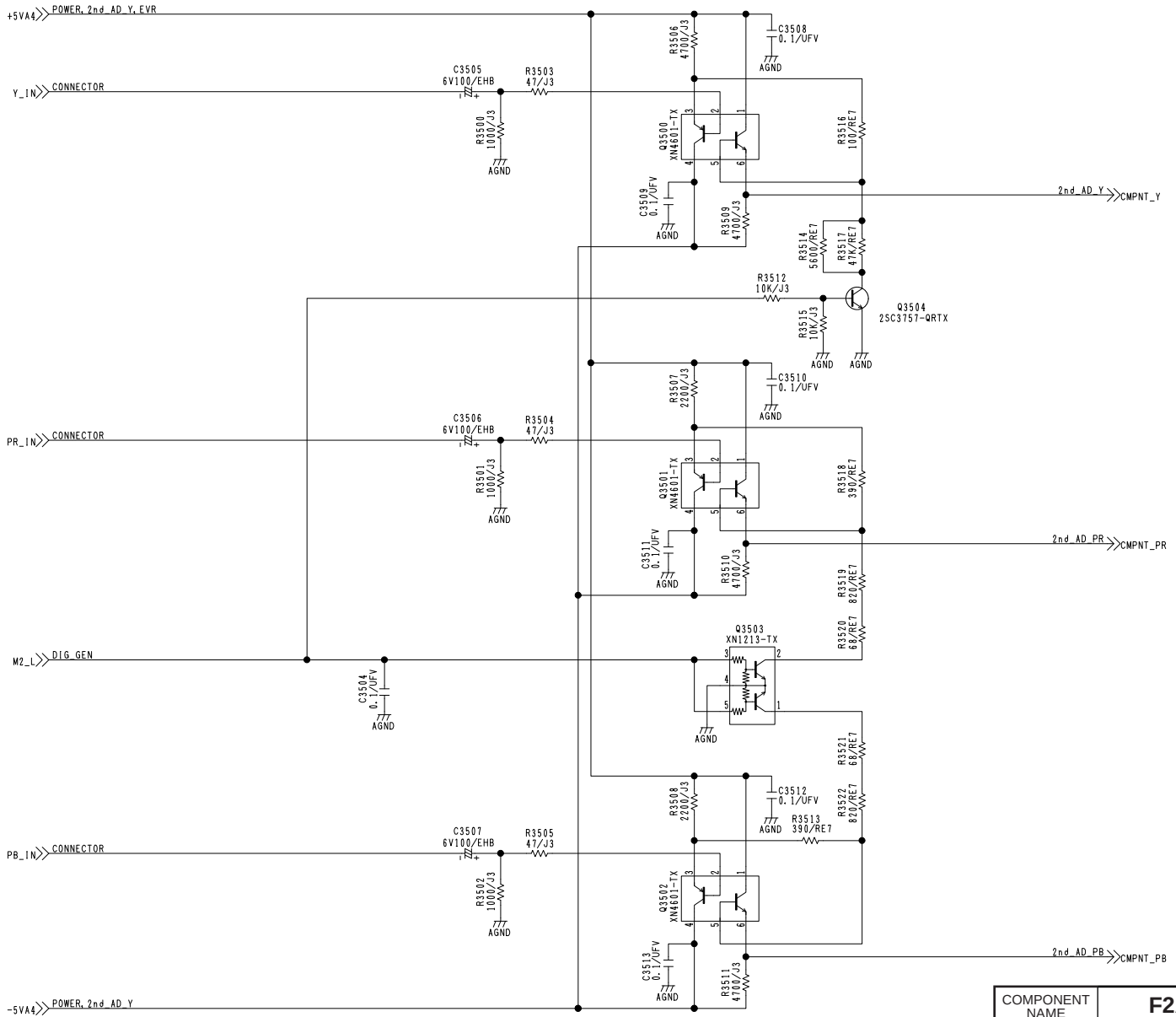
PAT=PATTERN ONLY

Ref No. 3400～3449 Series.

COMPONENT NAME	**F2A: V_IN (SYNC_SEP)**	09/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (9/19) (0)
		SCM163



COMPONENT NAME	F2A: V_IN (135M_PLL)	10/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (10/19) (0)
		SCM164

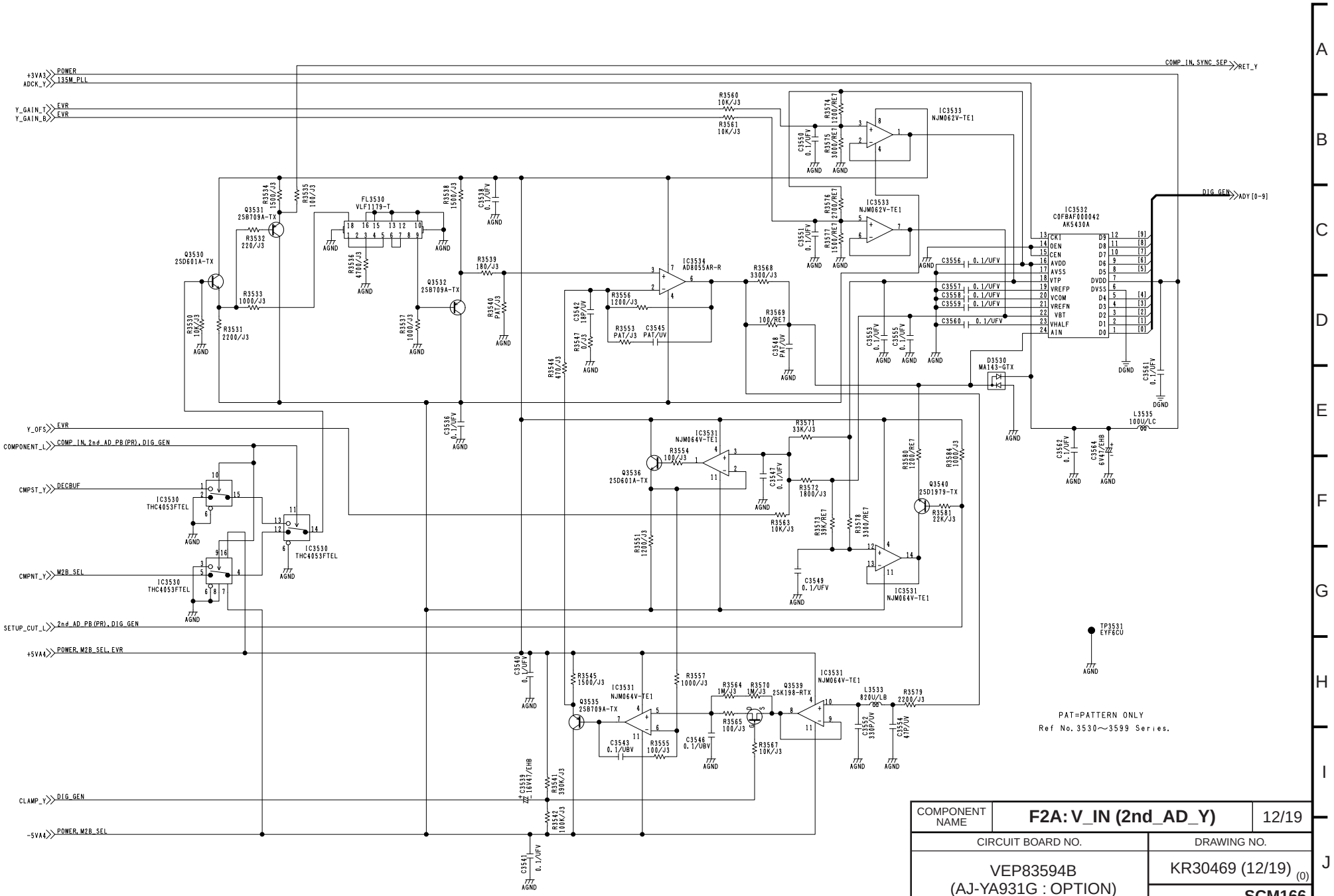


PAT=PATTERN ONLY
Ref No. 3500～3529 Series.

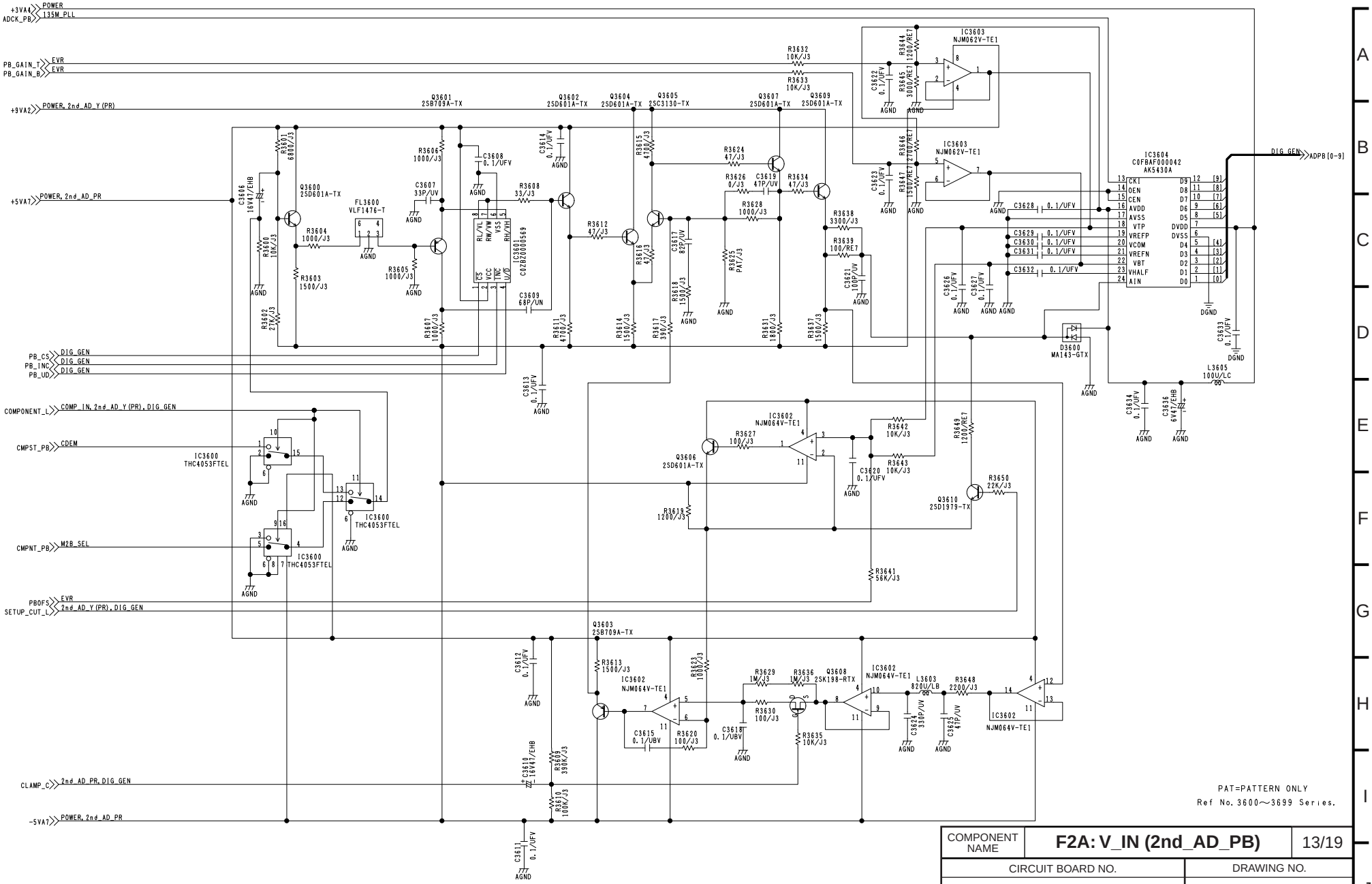
COMPONENT NAME	**F2A: V_IN (M2B_SEL)**	11/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (11/19) (0)	
	SCM165	

A B C D E F G H I J

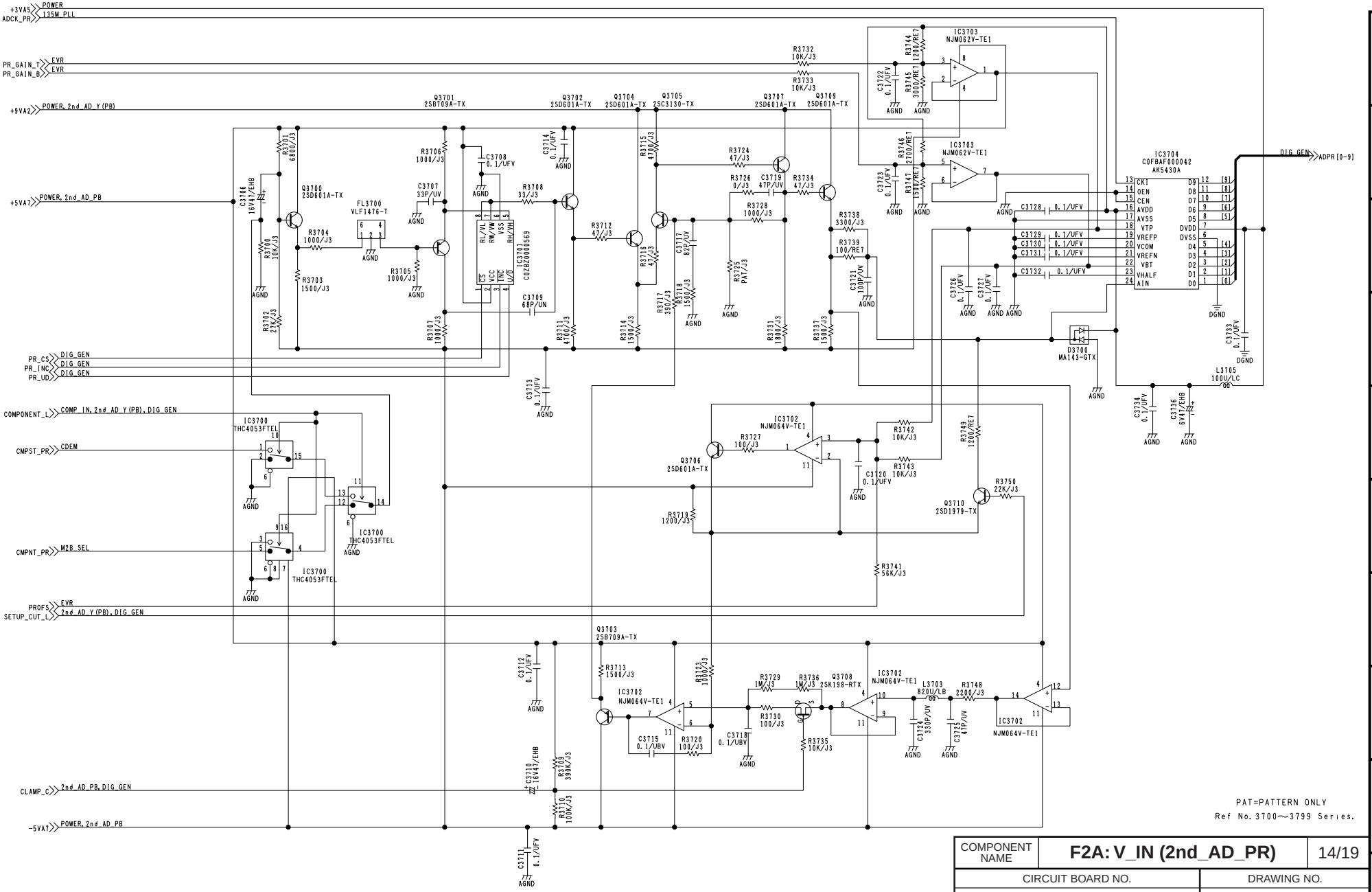
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



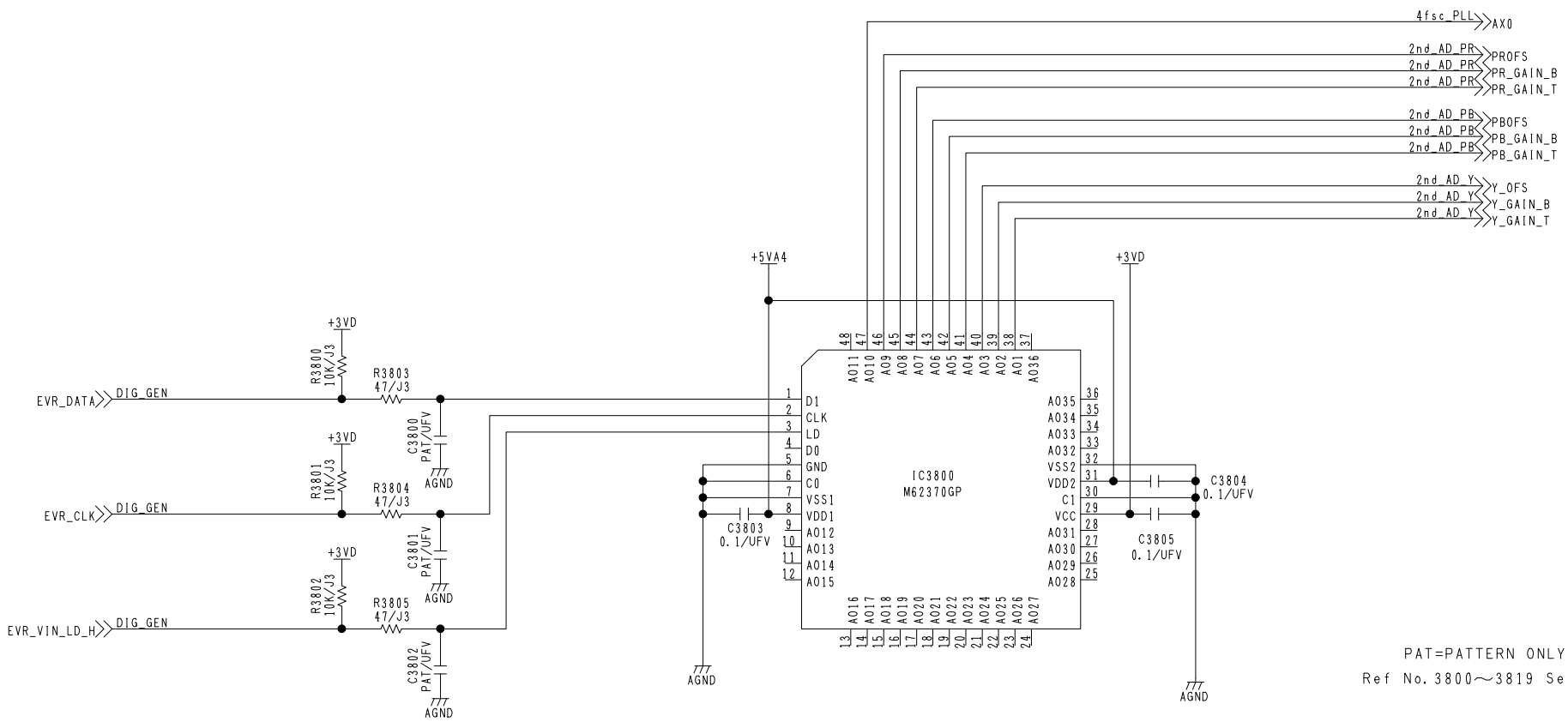
COMPONENT NAME	**F2A: V_IN (2nd_AD_Y)**	12/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (12/19) (0) **SCM166**



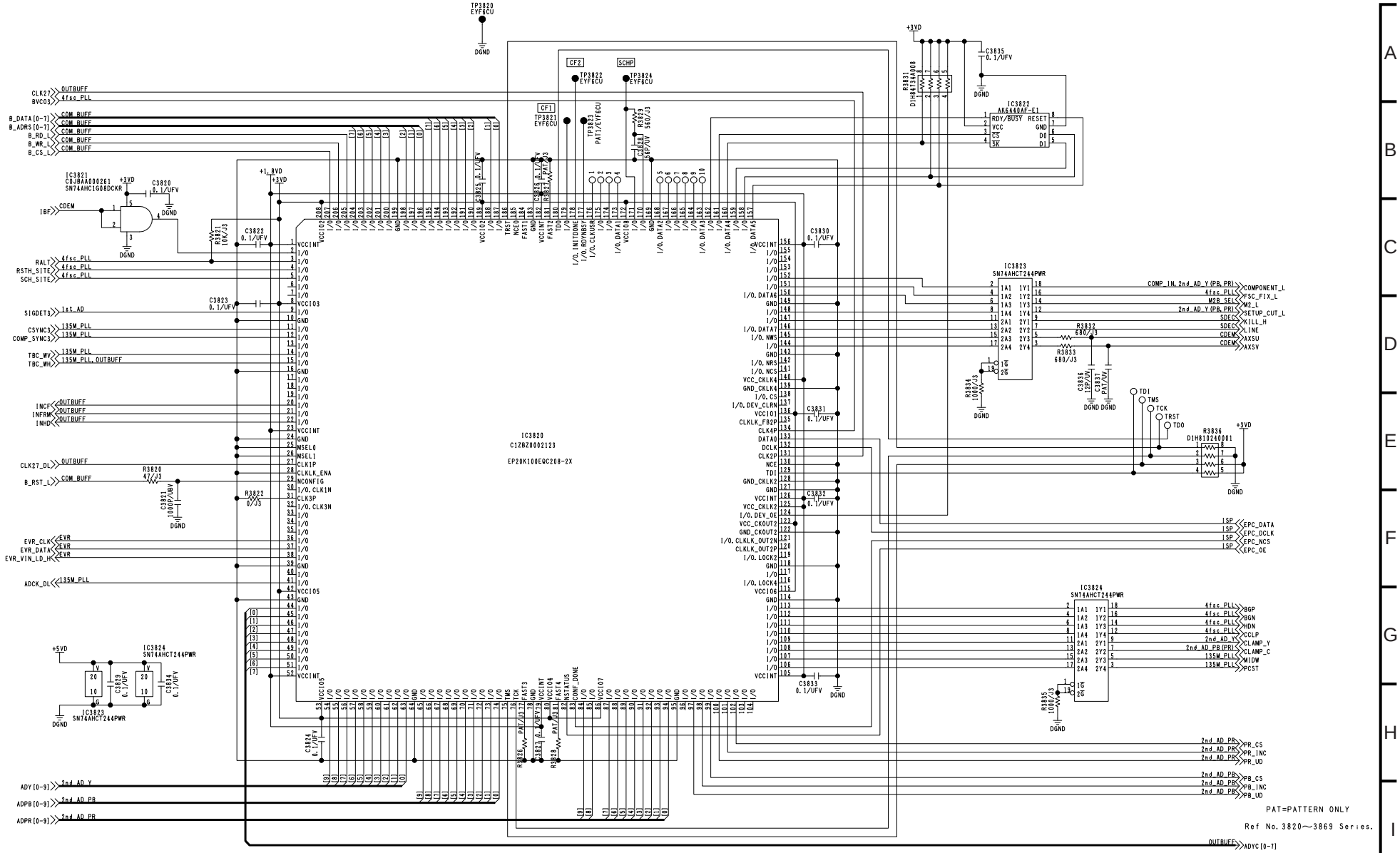
COMPONENT NAME	**F2A: V_IN (2nd_AD_PB)**	13/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (13/19) (0)	
	SCM167	



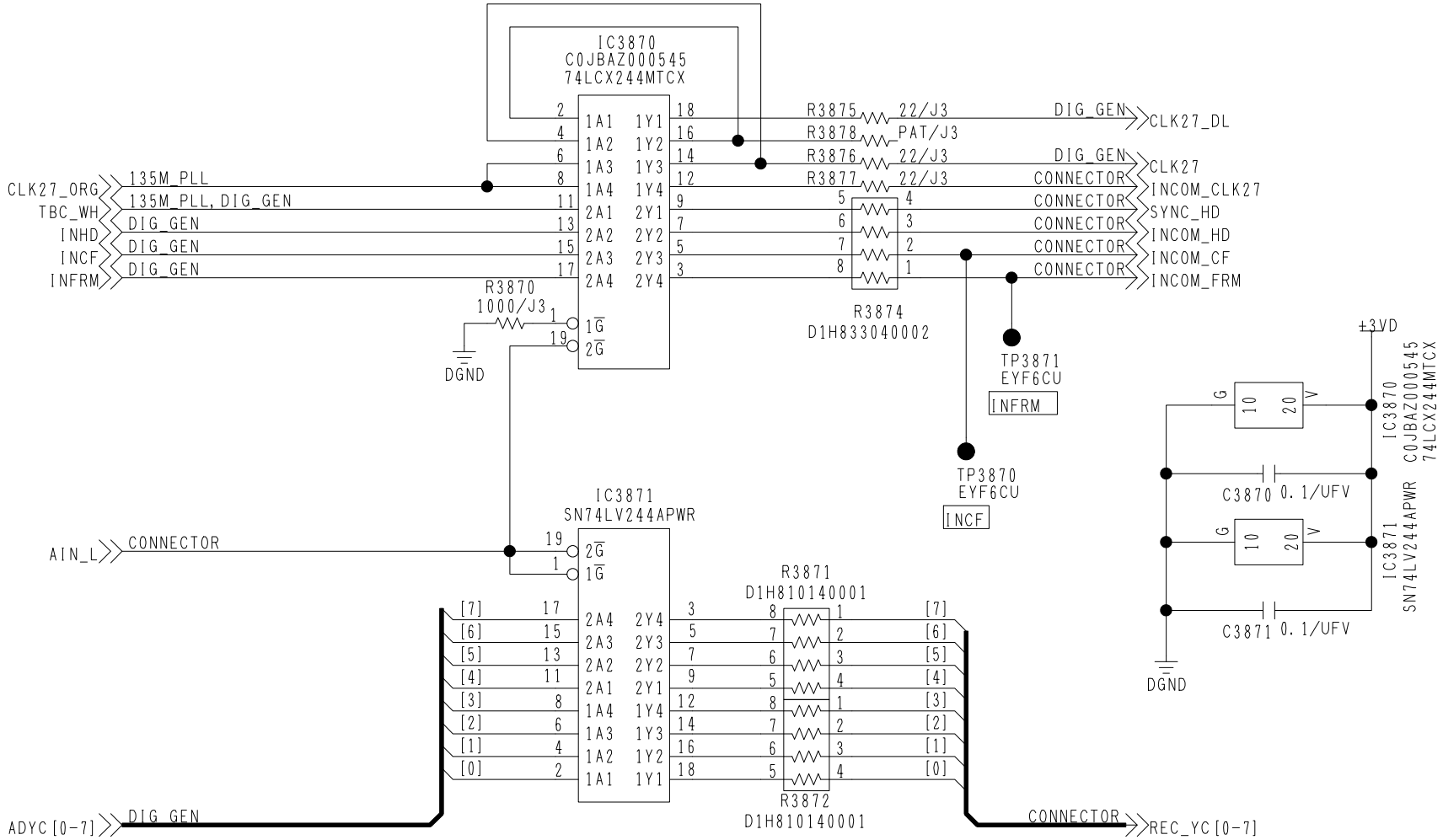
COMPONENT NAME	**F2A: V_IN (2nd_AD_PR)**	14/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (14/19) (0)
		SCM168



COMPONENT NAME	F2A: V_IN (EVR)	15/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (15/19) (0)
		SCM169



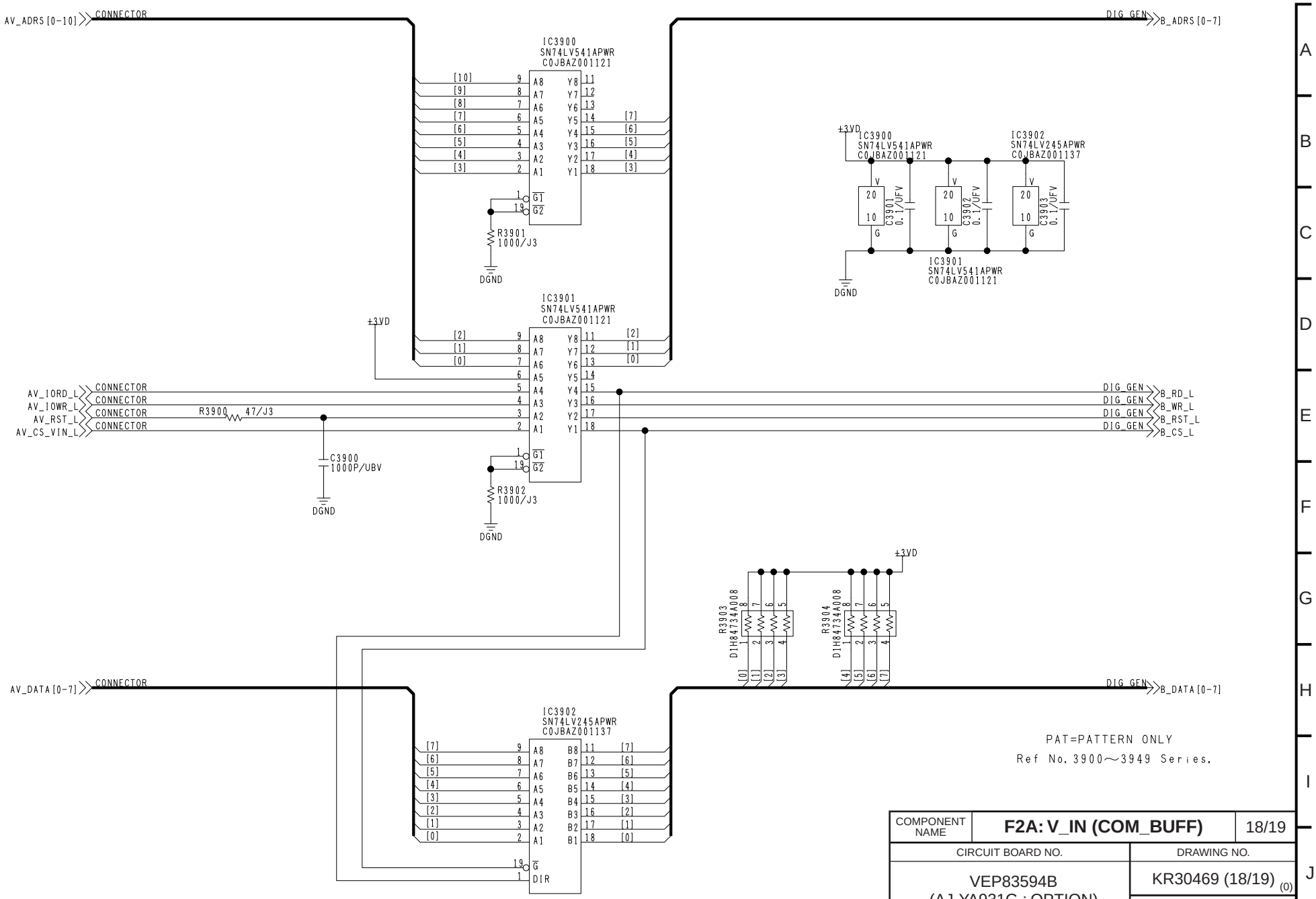
COMPONENT NAME	**F2A: V_IN (DIG_GEN)**	16/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (16/19) (0)	
	SCM170	



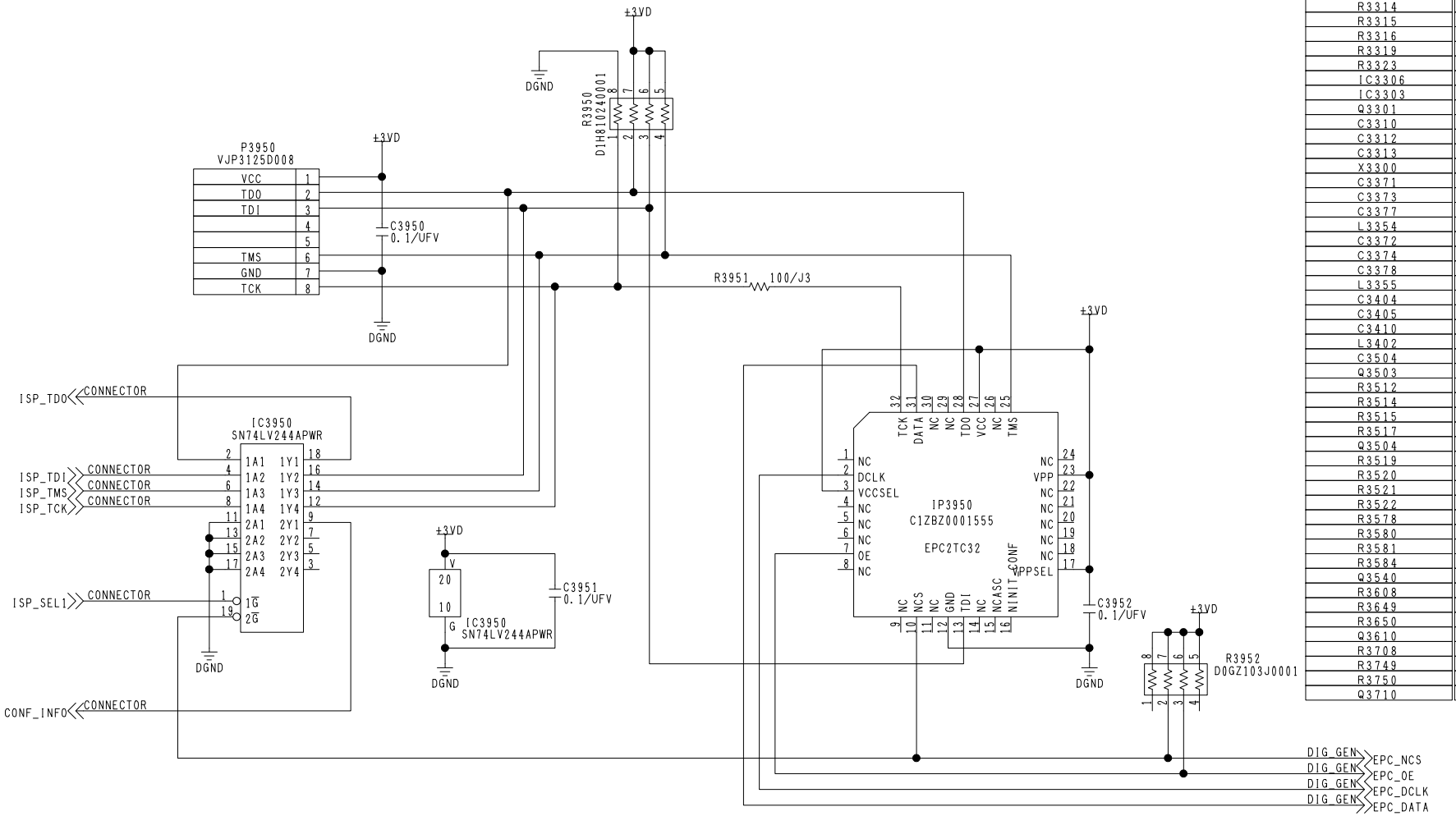
PAT=PATTERN ONLY

Ref No. 3870～3899 Series.

COMPONENT NAME	F2A: V_IN (OUT BUFF)	17/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (17/19) (0)
		SCM171



COMPONENT NAME	F2A: V_IN (COM_BUFF)	18/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (18/19) (0)
		SCM172



REF	VEP83594B
R3112	ERJ3GEYJ561V
R3200	–
R3201	ERJ3GEY0R00V
R3305	ERJ3GEYJ272V
R3313	ERJ3GEYJ471V
C3311	ECJ1VC1H681J
R3320	ERJ3GEY0R00V
R3311	–
R3314	–
R3315	–
R3316	–
R3319	–
R3323	–
IC3306	–
IC3303	–
Q3301	–
C3310	–
C3312	–
C3313	–
X3300	H1C1435A0002
C3371	ECUV1H220JCV
C3373	ECUV1H060DCV
C3377	F1H1H820A736
L3354	VLQ0163J680
C3372	ECUV1H220JCV
C3374	ECUV1H060DCV
C3378	F1H1H820A736
L3355	VLQ0163J680
C3404	ECJ1VC1H390J
C3405	ECJ1VC1H181J
C3410	ECUV1H080DCV
L3402	G1C471J00001
C3504	ECUV1E104ZFV
Q3503	XN0121300L
R3512	D0GB103JA002
R3514	ERJ3RBD562V
R3515	D0GB103JA002
R3517	ERJ3RBD473V
Q3504	2SC37570LL
R3519	ERJ3RBD821V
R3520	ERJ3RED680V
R3521	ERJ3RED680V
R3522	ERJ3RBD821V
R3578	ERJ3RBD332V
R3580	ERJ3RBD122V
R3581	ERJ3GEYJ223V
R3584	D0GB102JA002
Q3540	2SD197900L
R3608	ERJ3GEYJ330V
R3649	ERJ3RBD122V
R3650	ERJ3GEYJ223V
Q3610	2SD197900L
R3708	ERJ3GEYJ330V
R3749	ERJ3RBD122V
R3750	ERJ3GEYJ223V
Q3710	2SD197900L

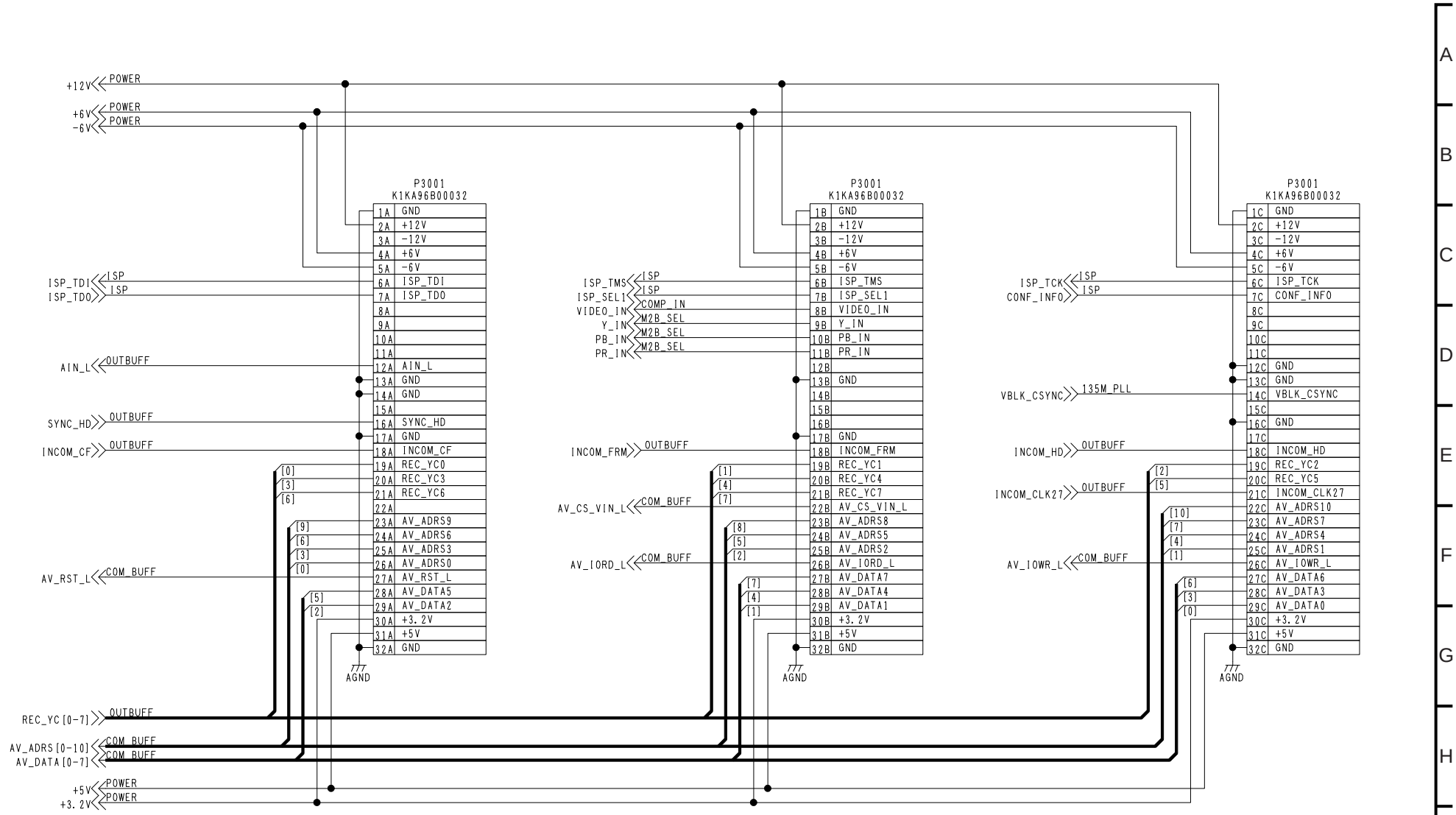
PAT=PATTERN ONLY

Ref No. 3950～3999 Series.

COMPONENT NAME	F2A: V_IN (ISP)	19/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)		KR30469 (19/19) (0)
		SCM173

A B C D E F G H I J

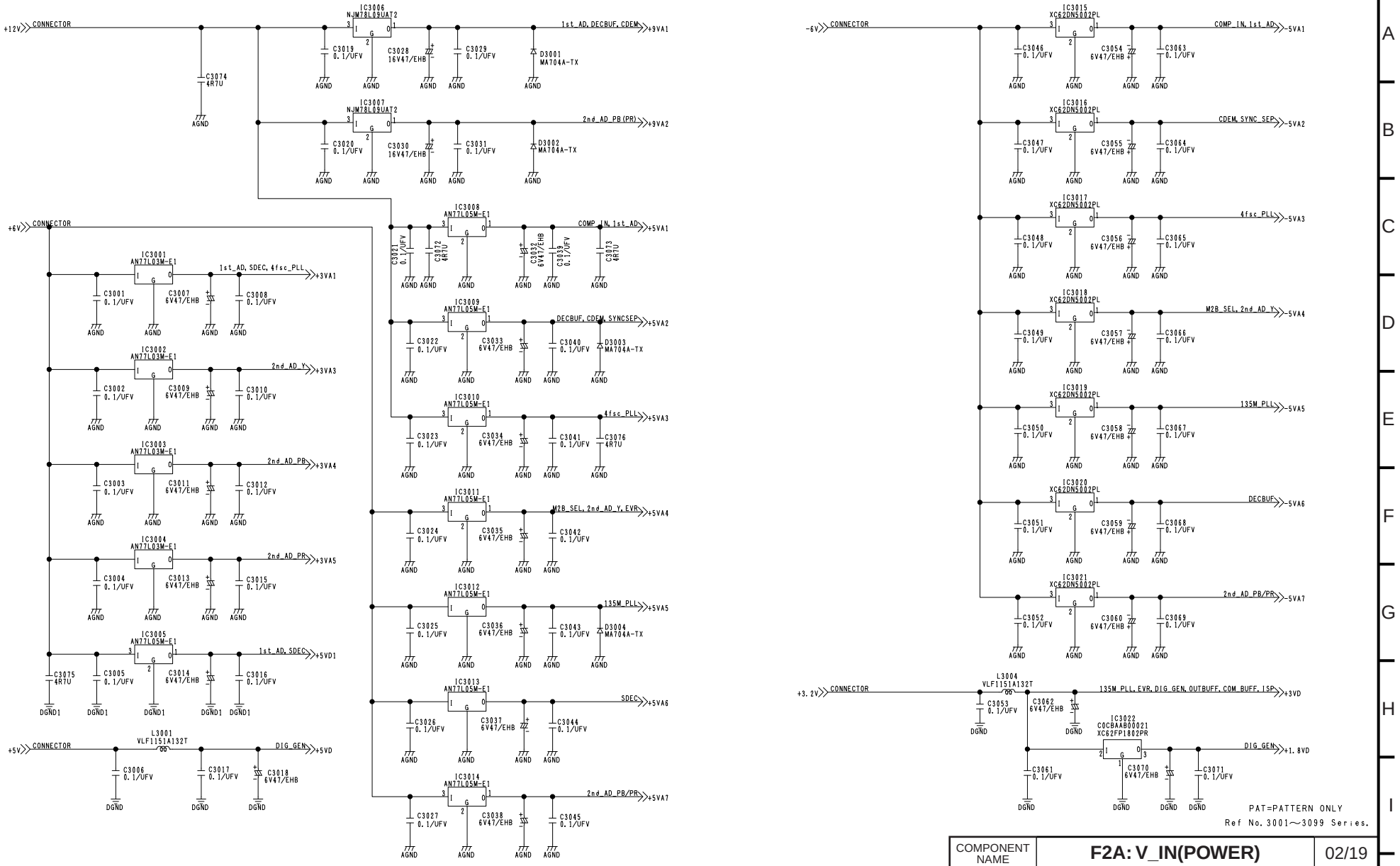
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



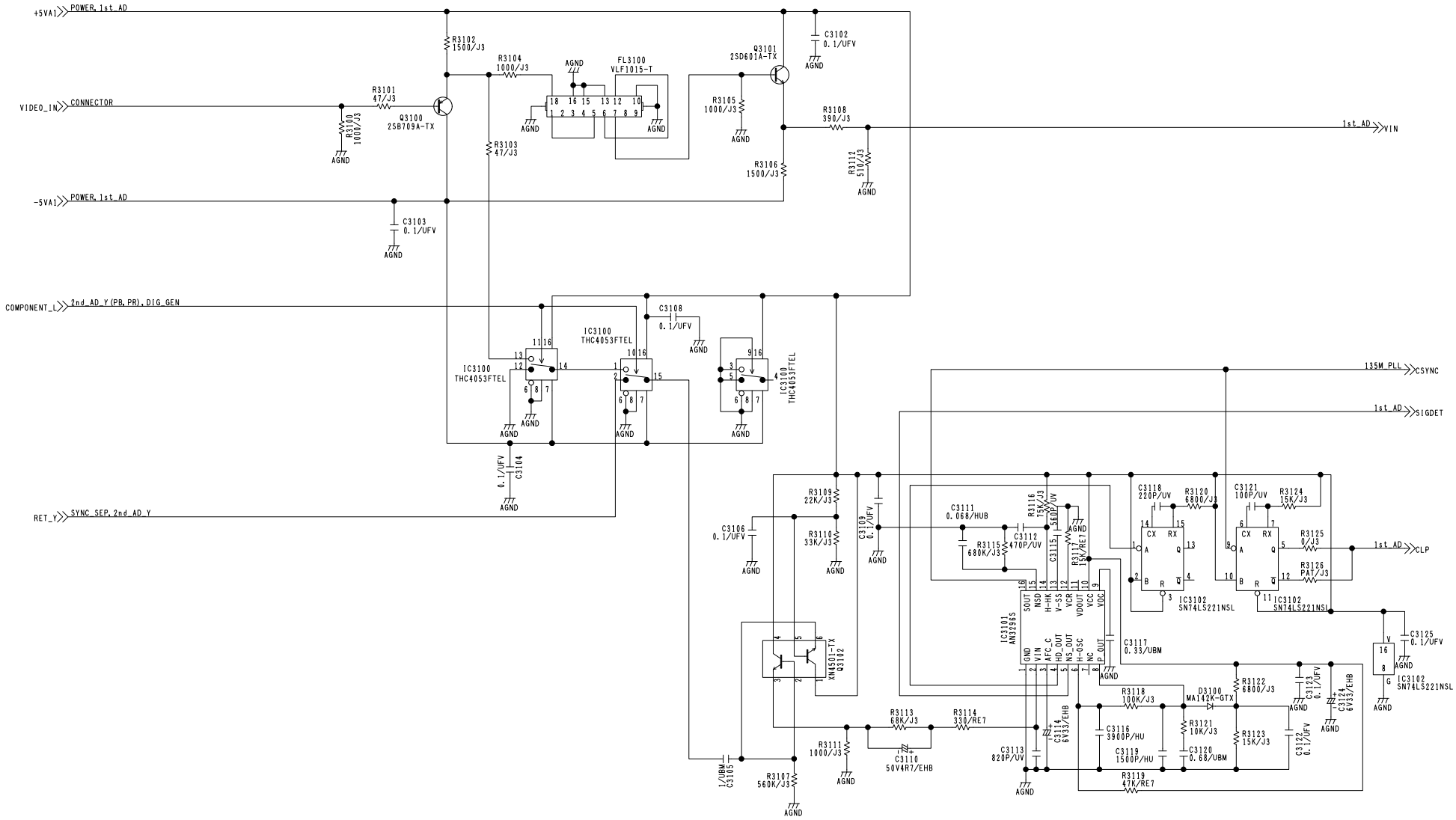
COMPONENT NAME	**F2A: V_IN(CONNECTOR)**	01/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (1/19) (0)	
	SCM174	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

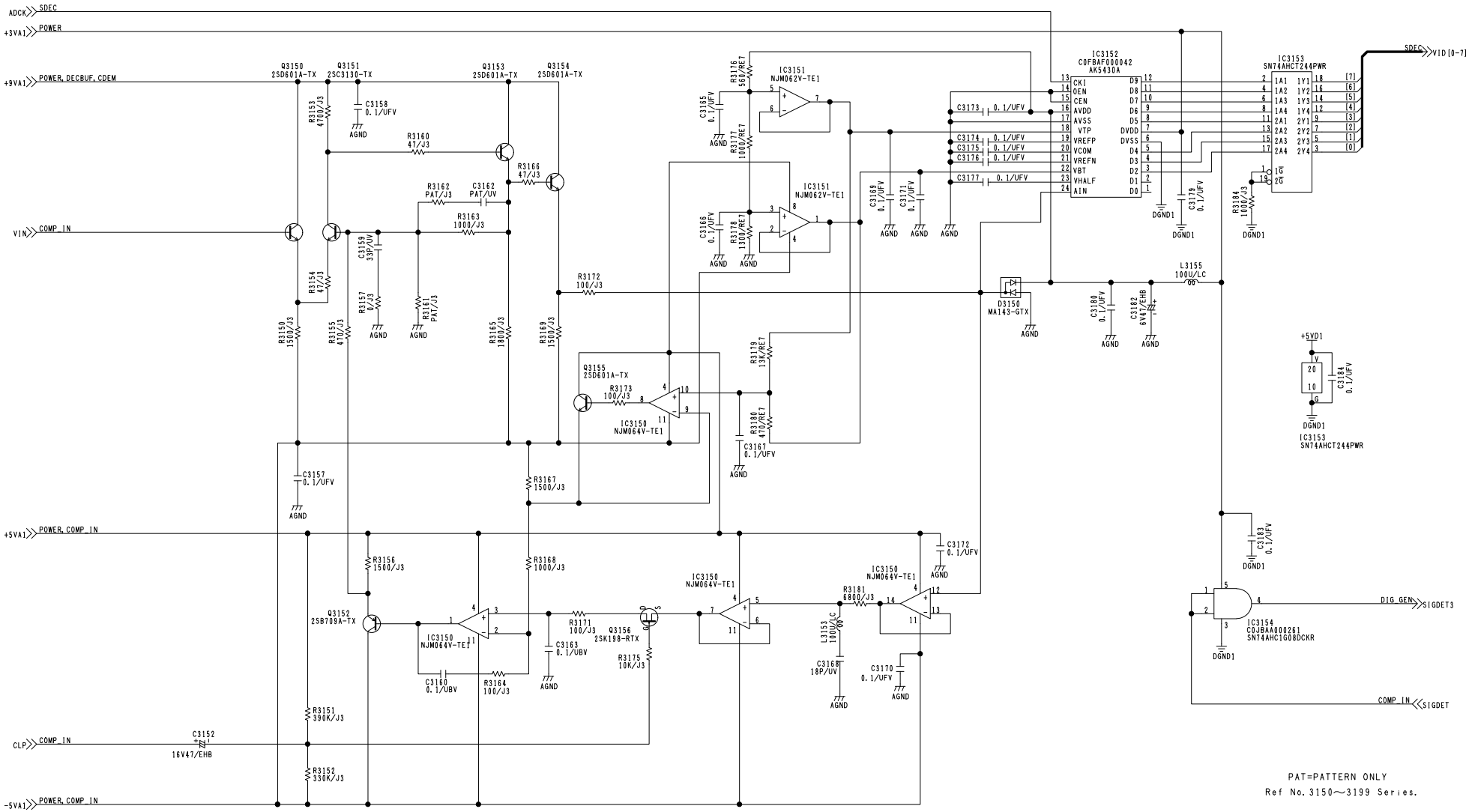


COMPONENT NAME	**F2A: V_IN(POWER)**	02/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (2/19) (0) **SCM175**

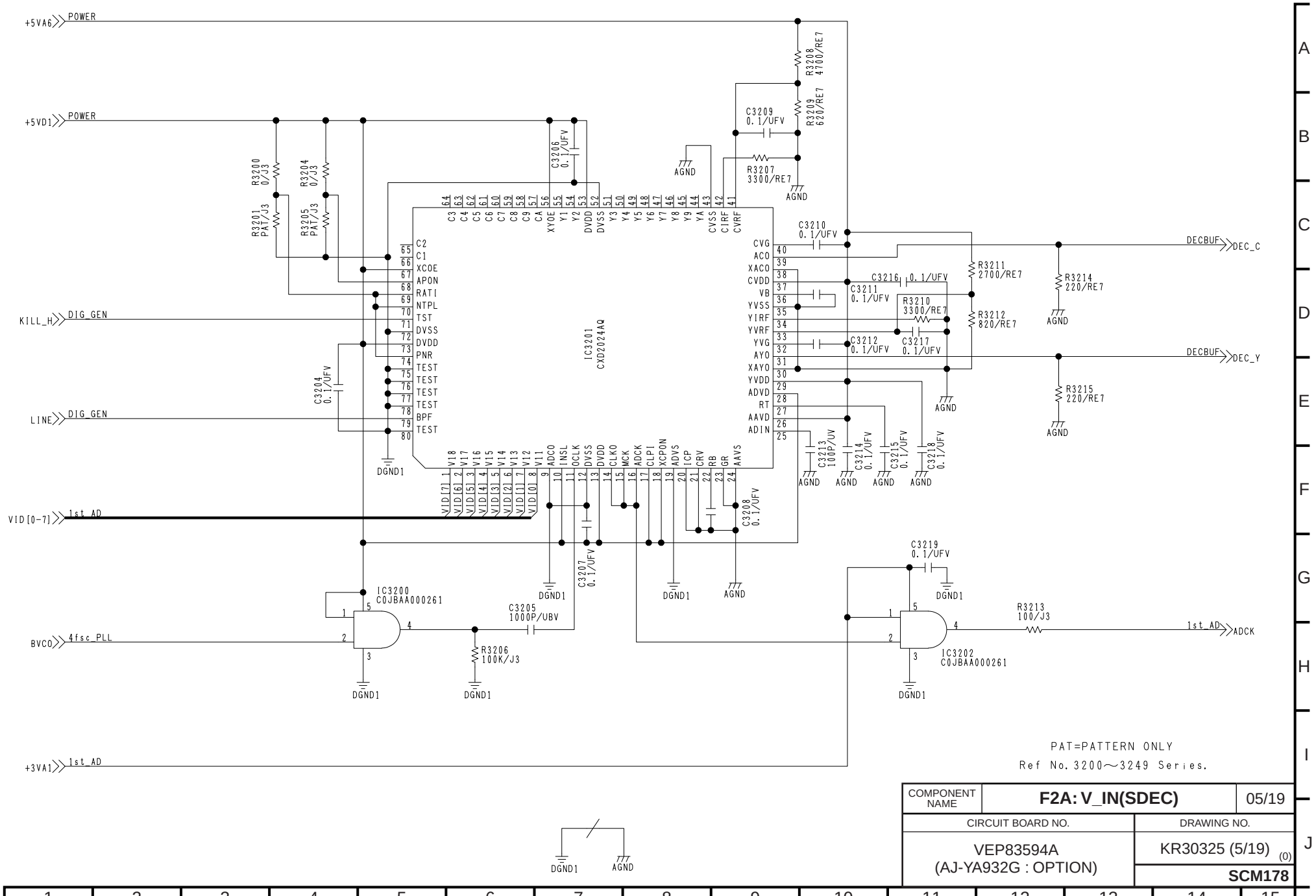


PAT=PATTERN ONLY
Ref No. 3100～3149 Series.

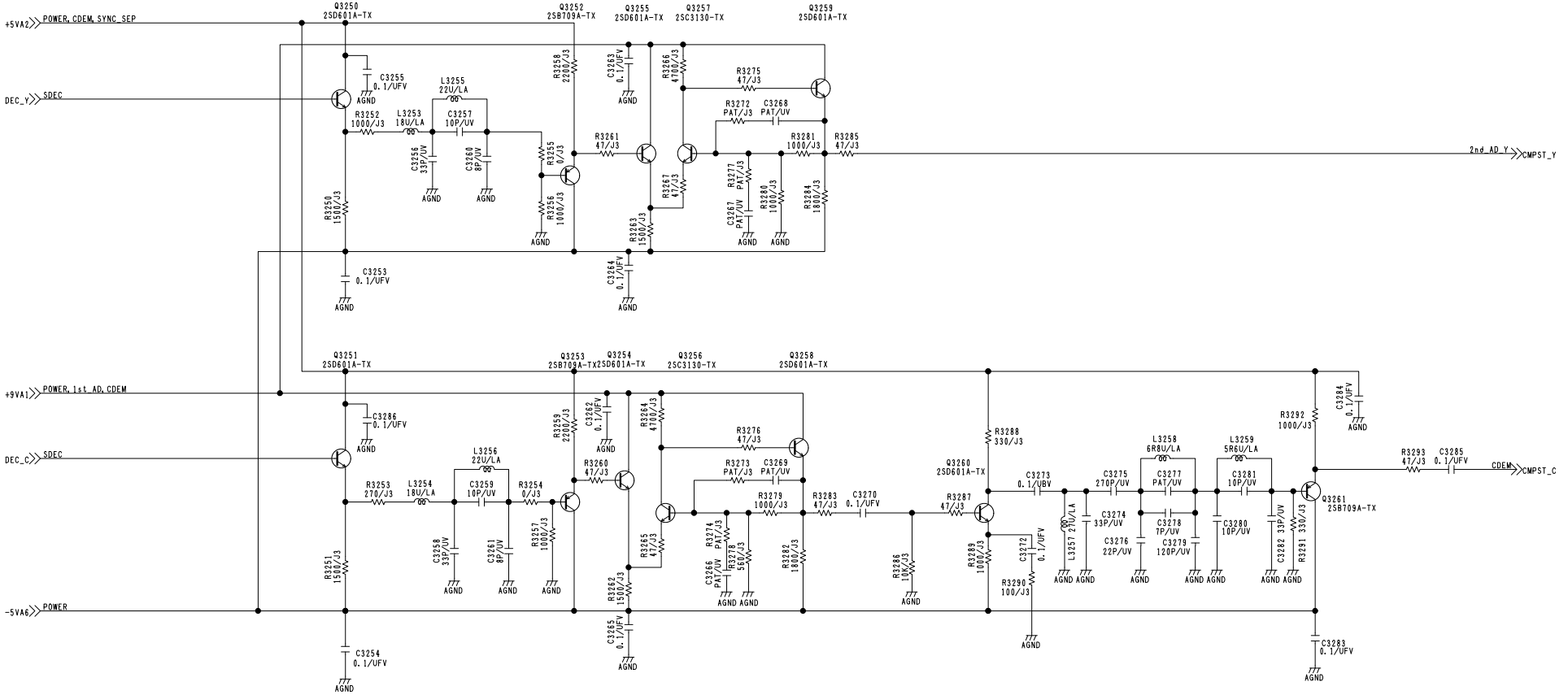
COMPONENT NAME	F2A: V_IN(COMP_IN)	03/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (3/19) (0)
		SCM176



COMPONENT NAME	**F2A: V_IN(1st_AD)**	04/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (4/19) (0)	
	SCM177	

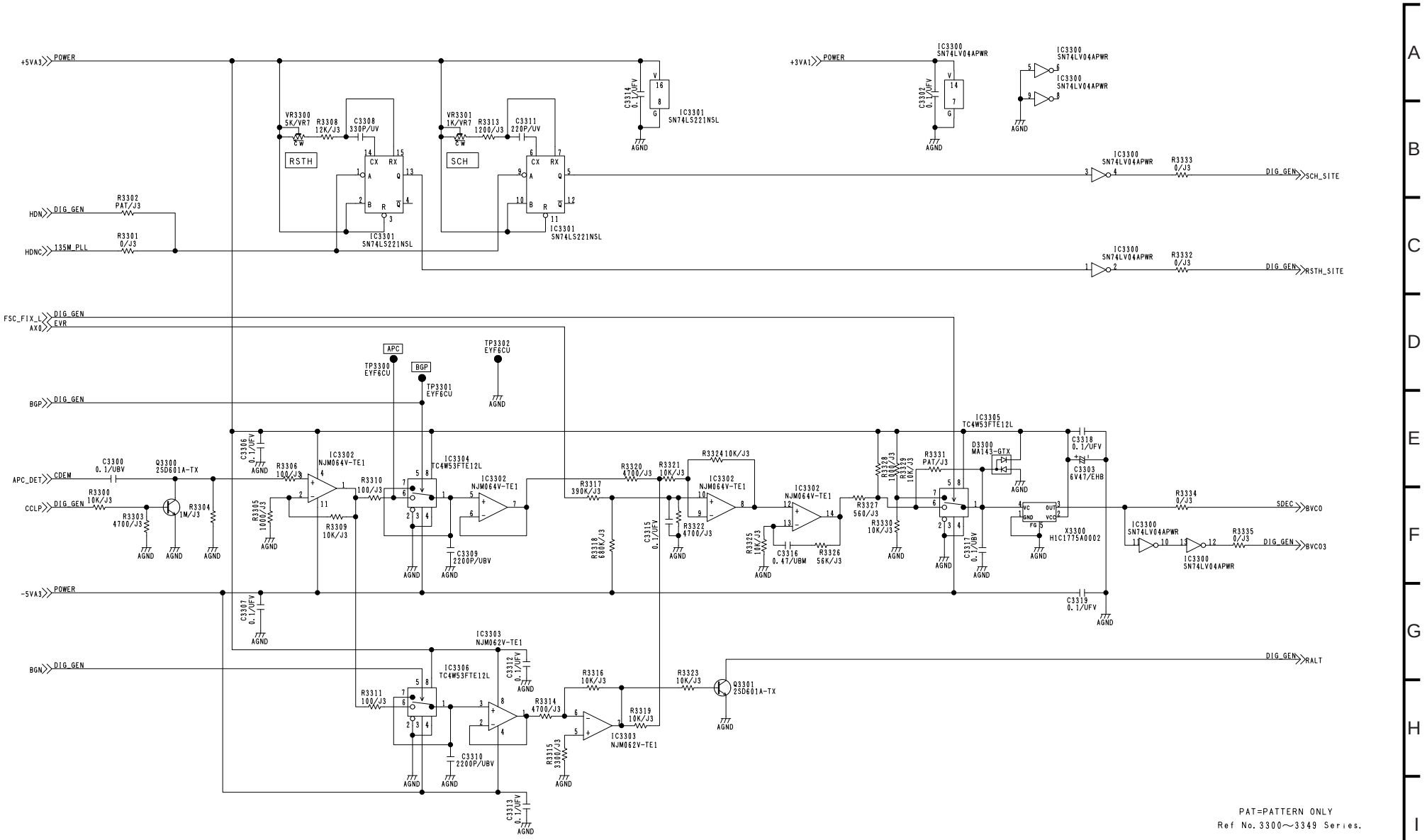


COMPONENT NAME	F2A: V_IN(SDEC)	05/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (5/19) (0)	
	SCM178	

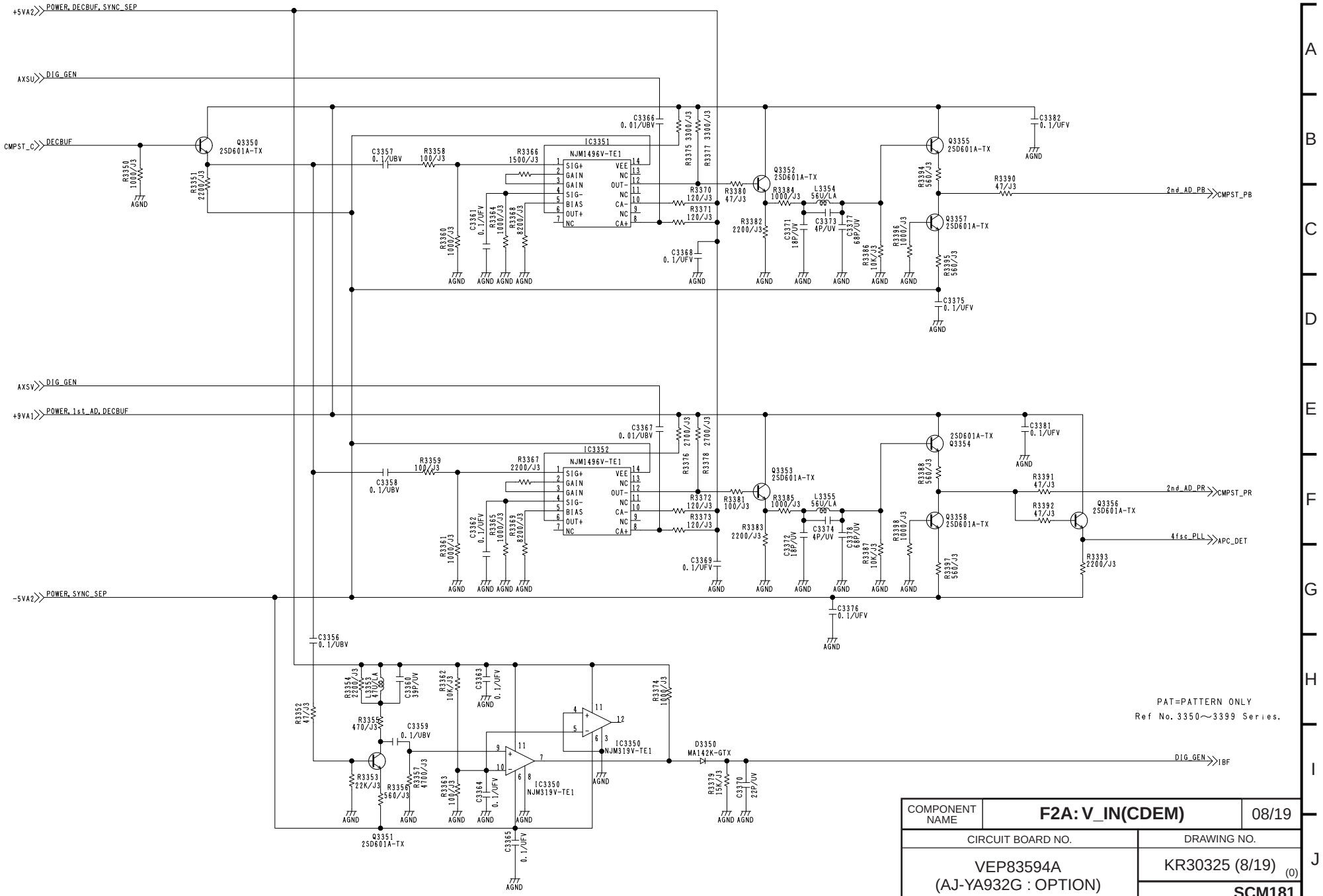


PAT=PATTERN ONLY
Ref No. 3250～3299 Series.

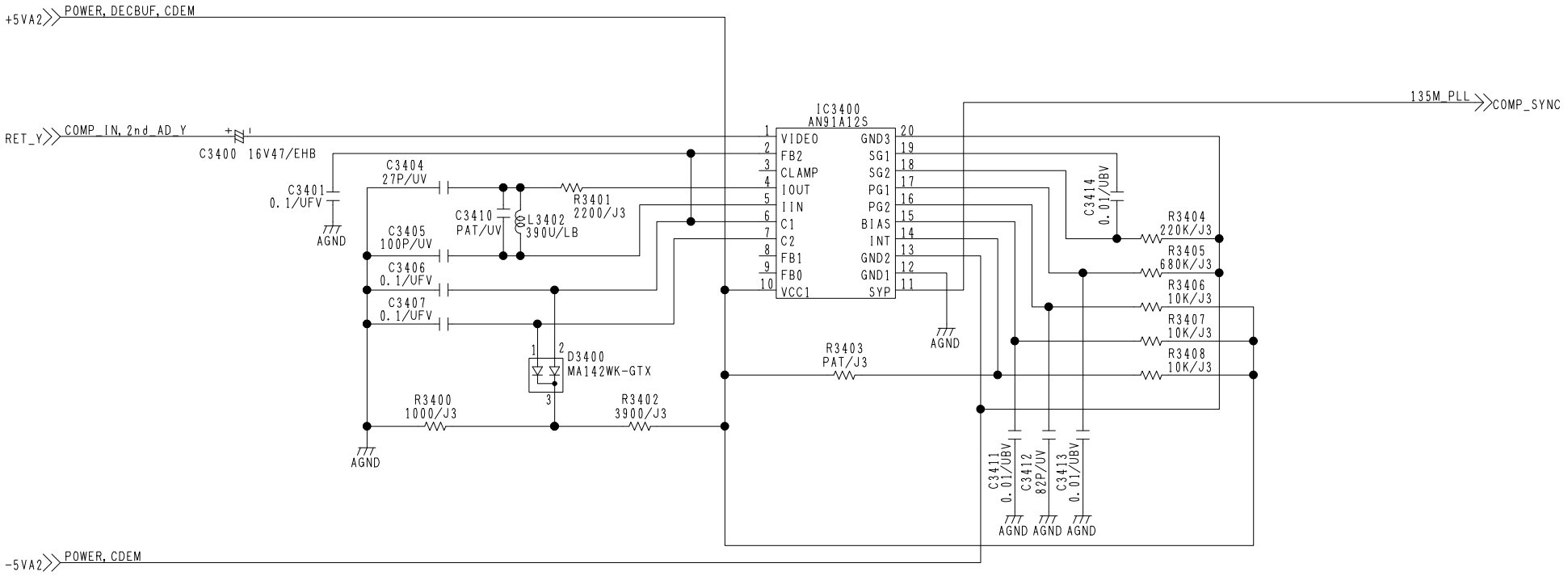
COMPONENT NAME	F2A: V_IN(DECBUF)	06/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (6/19) (0) **SCM179**



COMPONENT NAME	F2A: V_IN(4fsc_PLL)	07/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (7/19) (0)
		SCM180



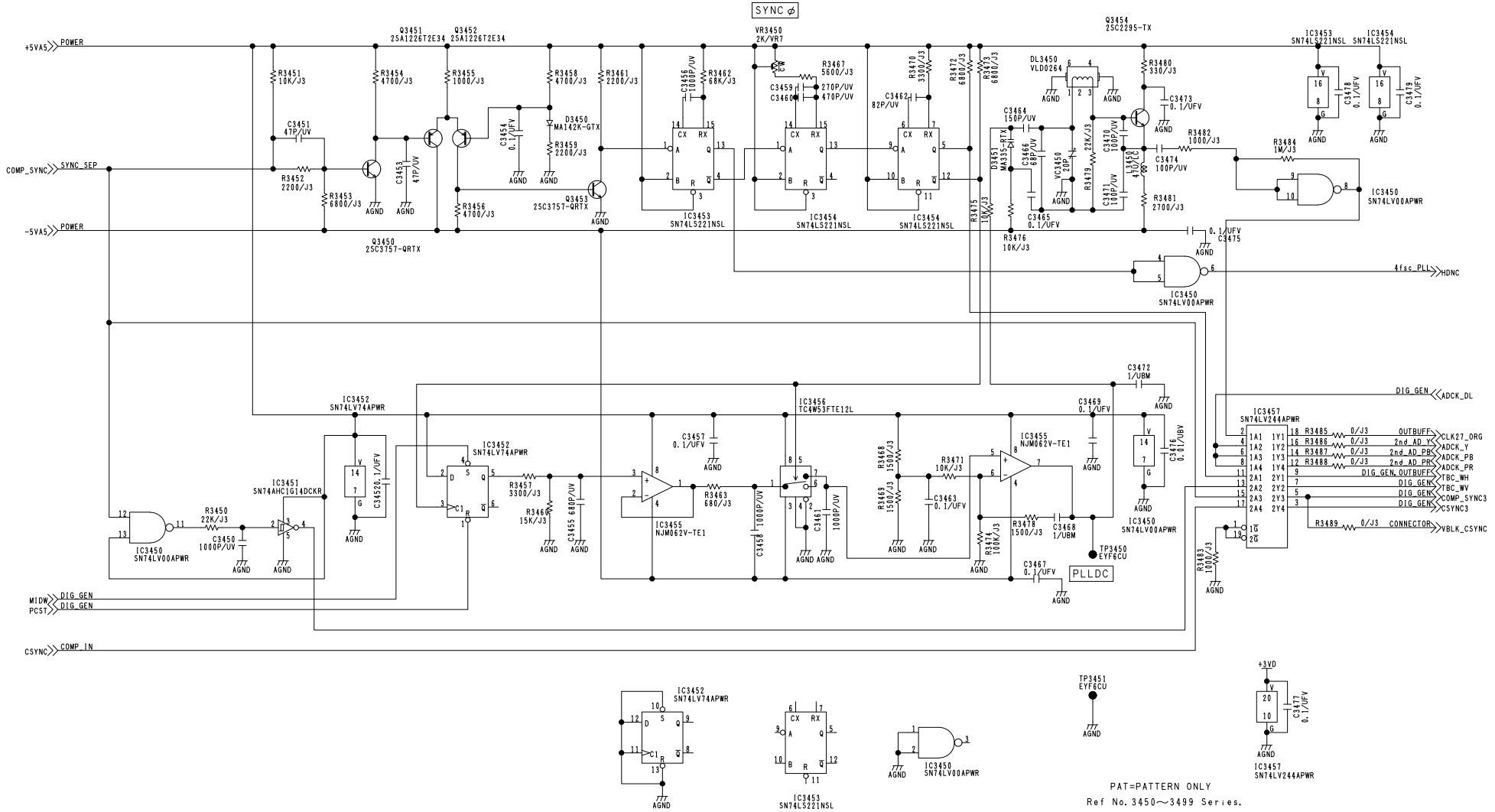
COMPONENT NAME	F2A: V_IN(CDEM)	08/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (8/19) (0)
		SCM181



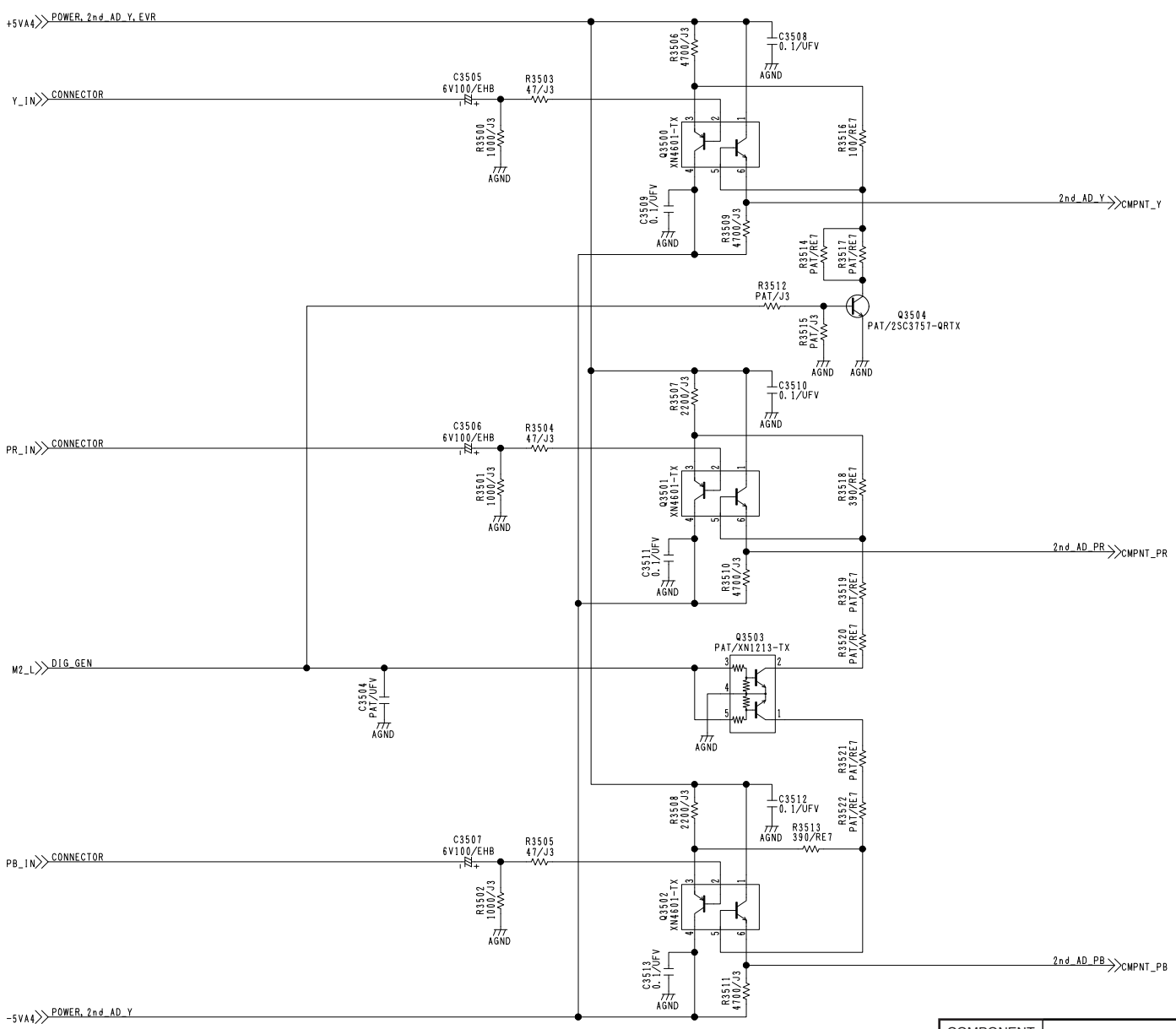
PAT=PATTERN ONLY

Ref No. 3400～3449 Series.

COMPONENT NAME	F2A: V_IN(SYNC_SEP)	09/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (9/19) (0)
		SCM182

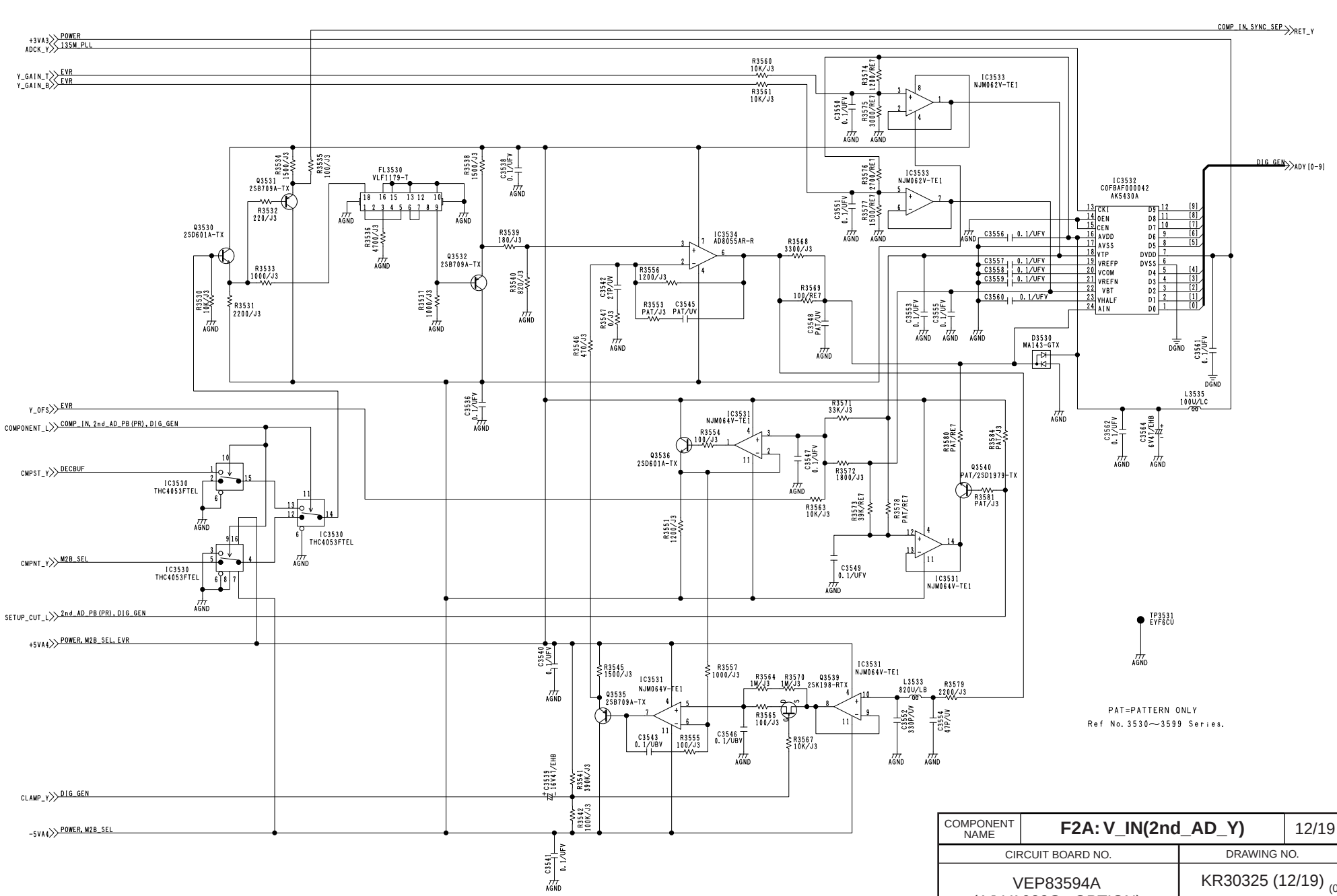


COMPONENT NAME	F2A: V_IN(135M_PLL)	10/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (10/19) (0)
		SCM183

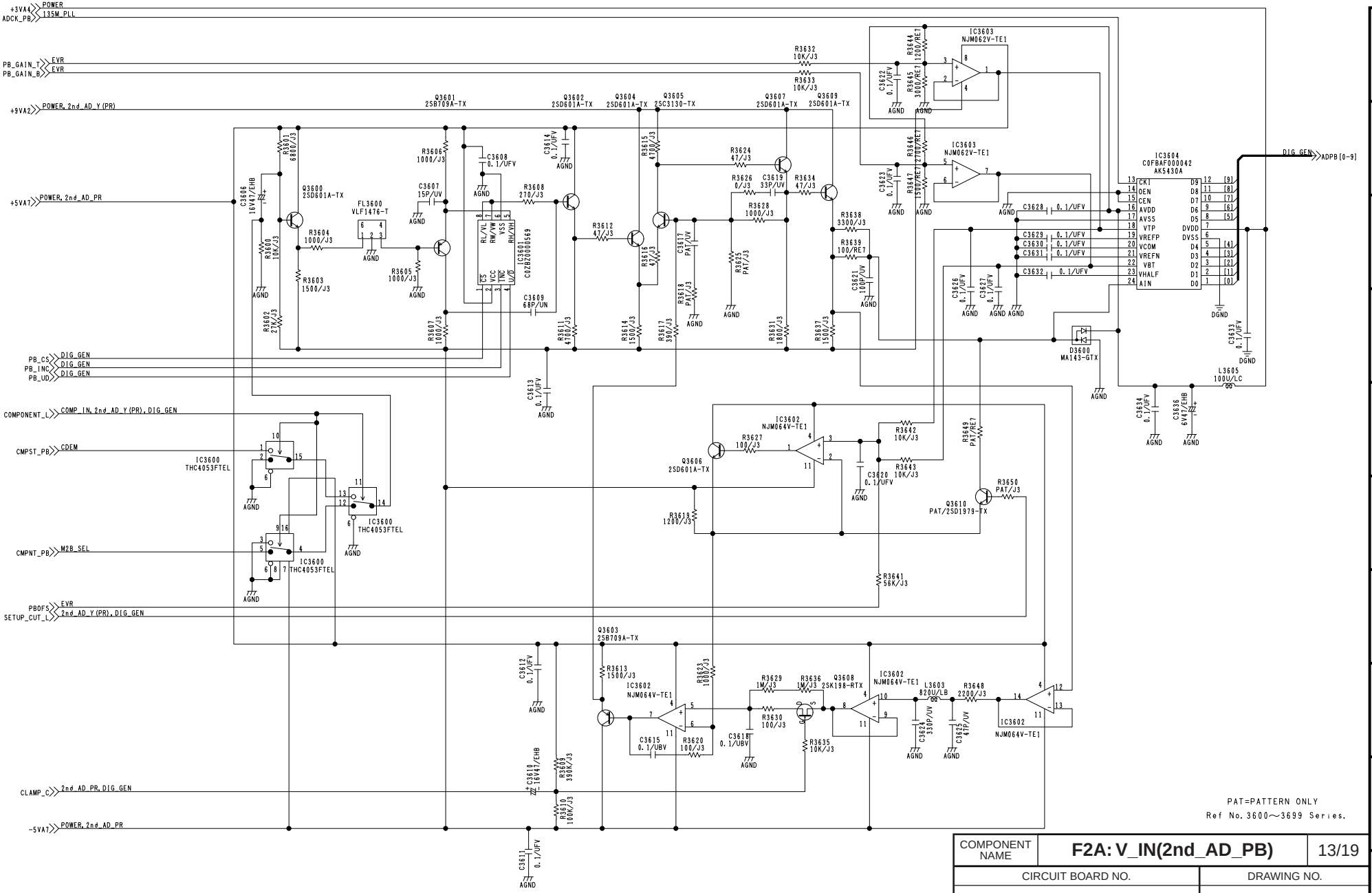


PAT=PATTERN ONLY
Ref No. 3500～3529 Series.

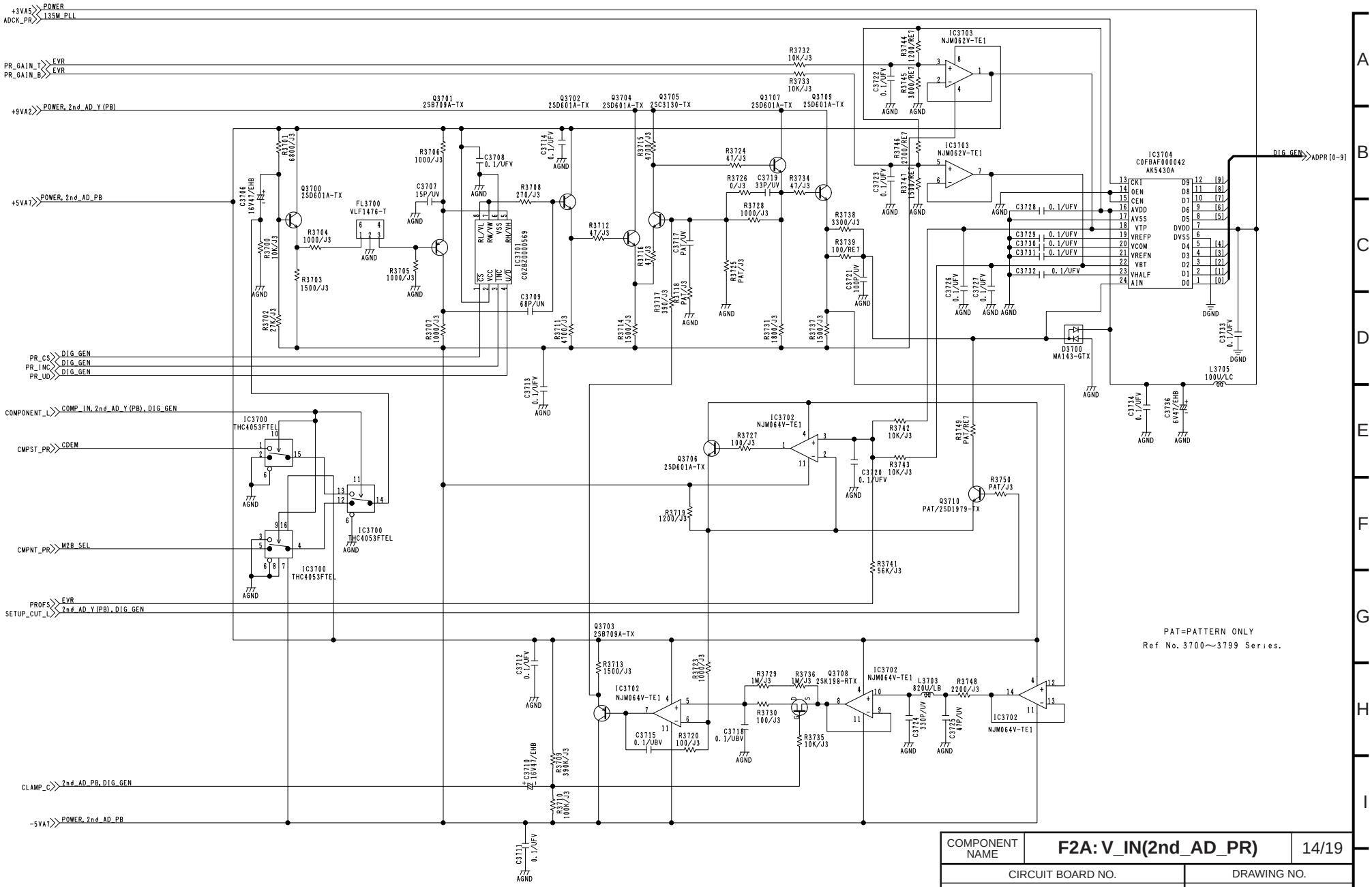
COMPONENT NAME	**F2A: V_IN(M2B_SEL)**	11/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (11/19) (0)
		SCM184



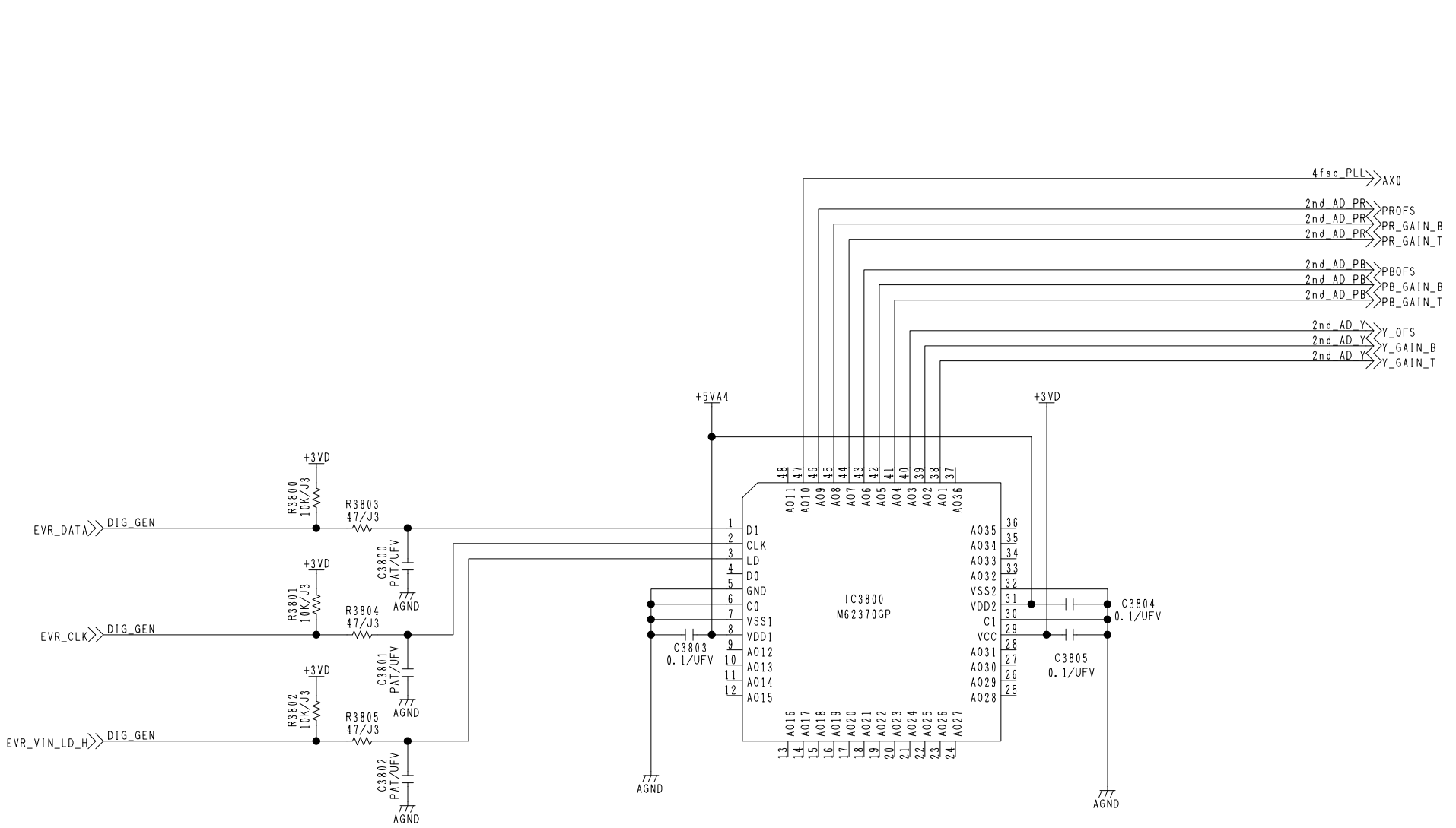
COMPONENT NAME	F2A: V_IN(2nd_AD_Y)	12/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (12/19) (0)
		SCM185



COMPONENT NAME	**F2A: V_IN(2nd_AD_PB)**	13/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (13/19) (0)
		SCM186



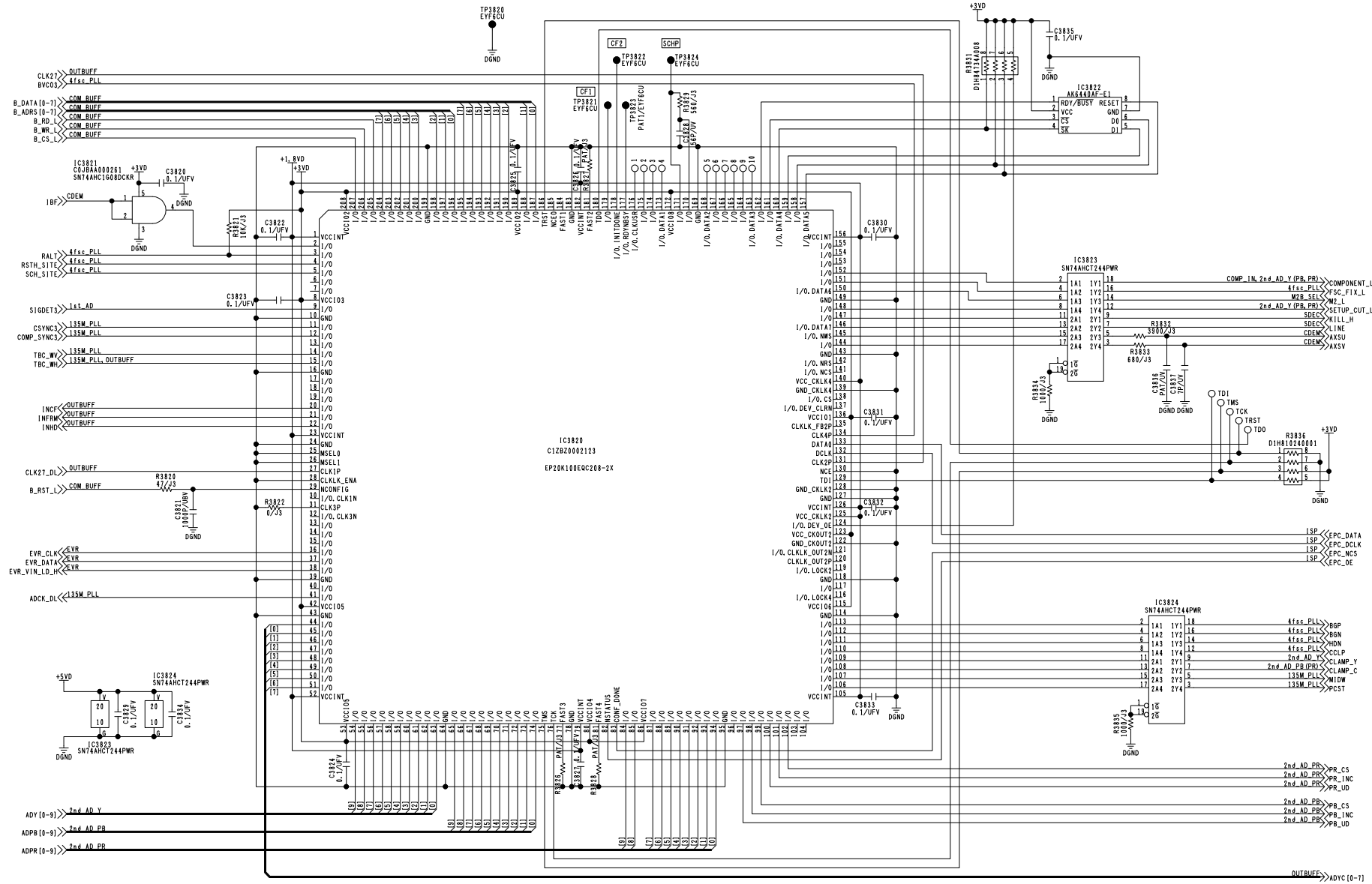
COMPONENT NAME	**F2A: V_IN(2nd_AD_PR)**	14/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (14/19) (0)
		SCM187



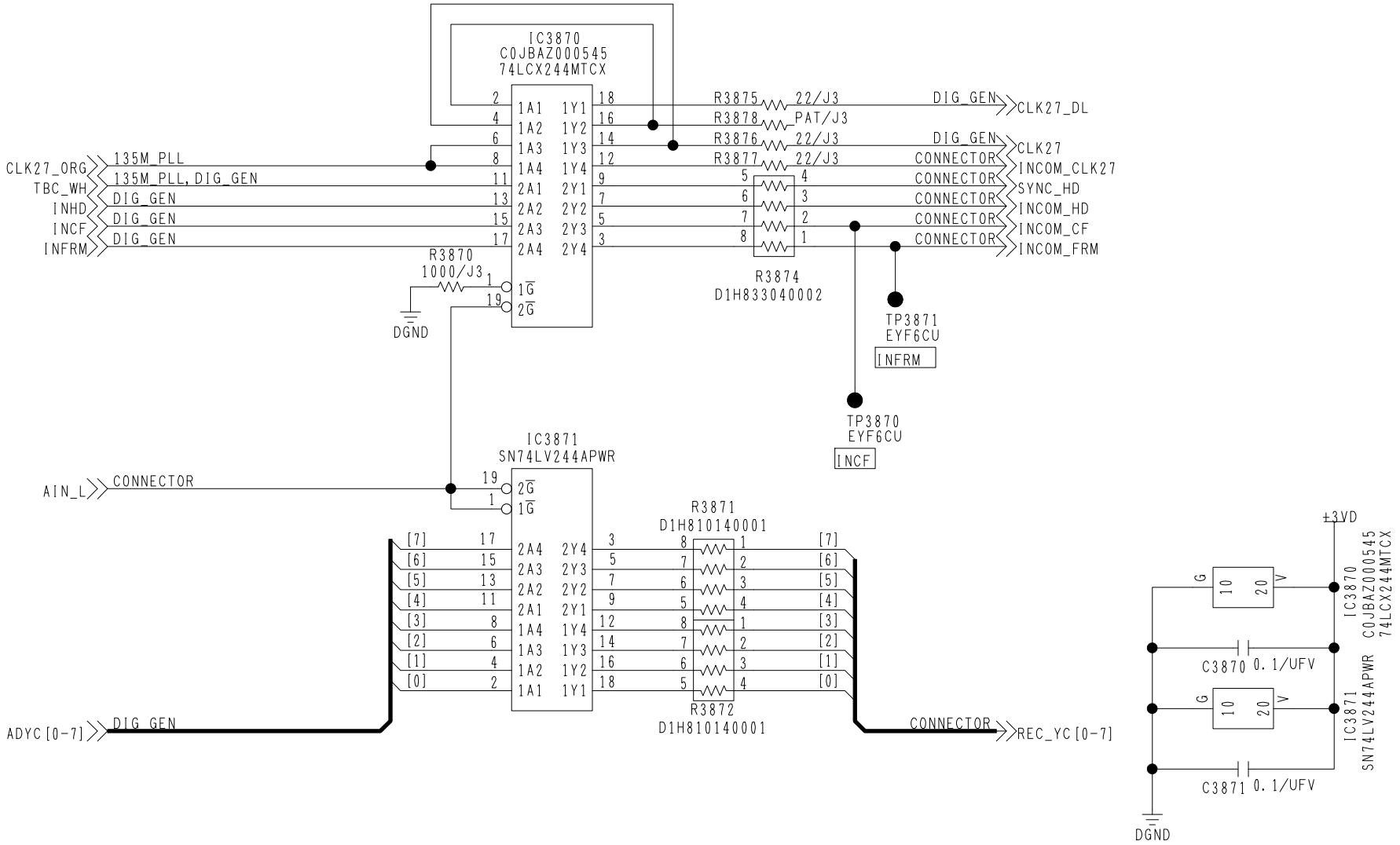
PAT=PATTERN ONLY

Ref No. 3800～3819 Series.

COMPONENT NAME	F2A: V_IN(EVR)	15/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (15/19) (0)
		SCM188



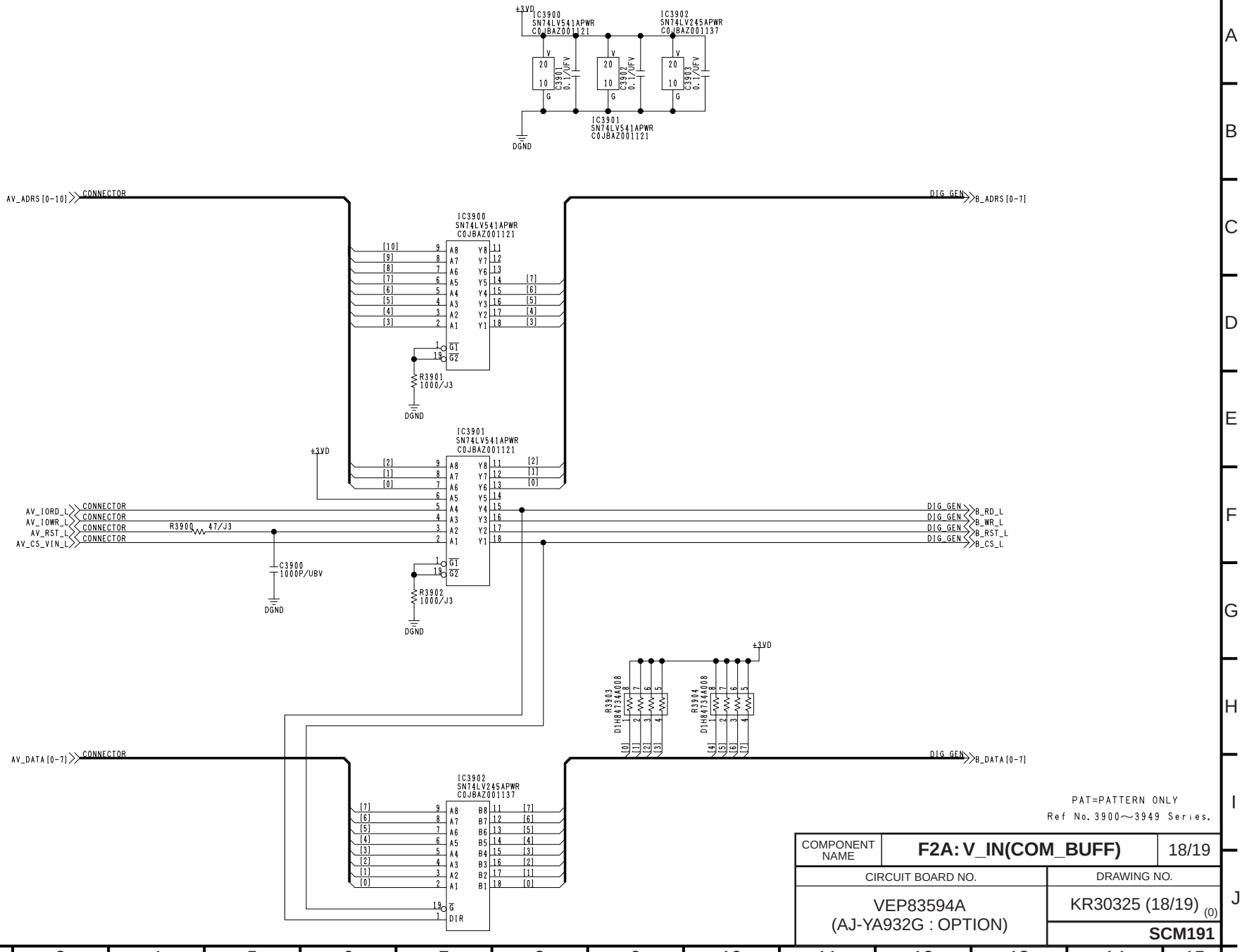
COMPONENT NAME	**F2A: V_IN(DIG_GEN)**	16/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (16/19) (0)	
	SCM189	



PAT=PATTERN ONLY

Ref No. 3870～3899 Series.

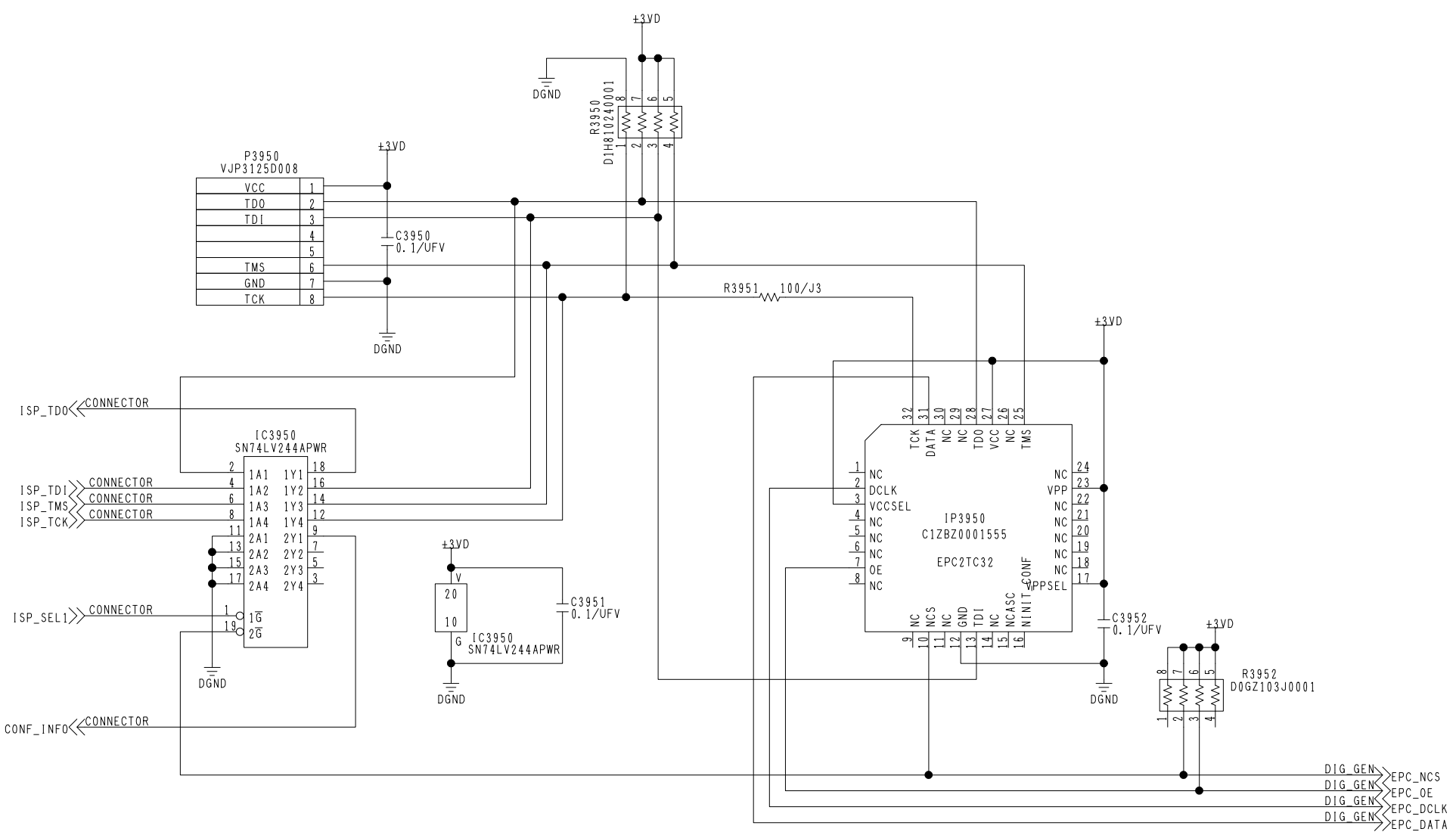
COMPONENT NAME	F2A: V_IN(OUTBUFF)	17/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (17/19) (0)
		SCM190



PAT=PATTERN ONLY

Ref No. 3900～3949 Series.

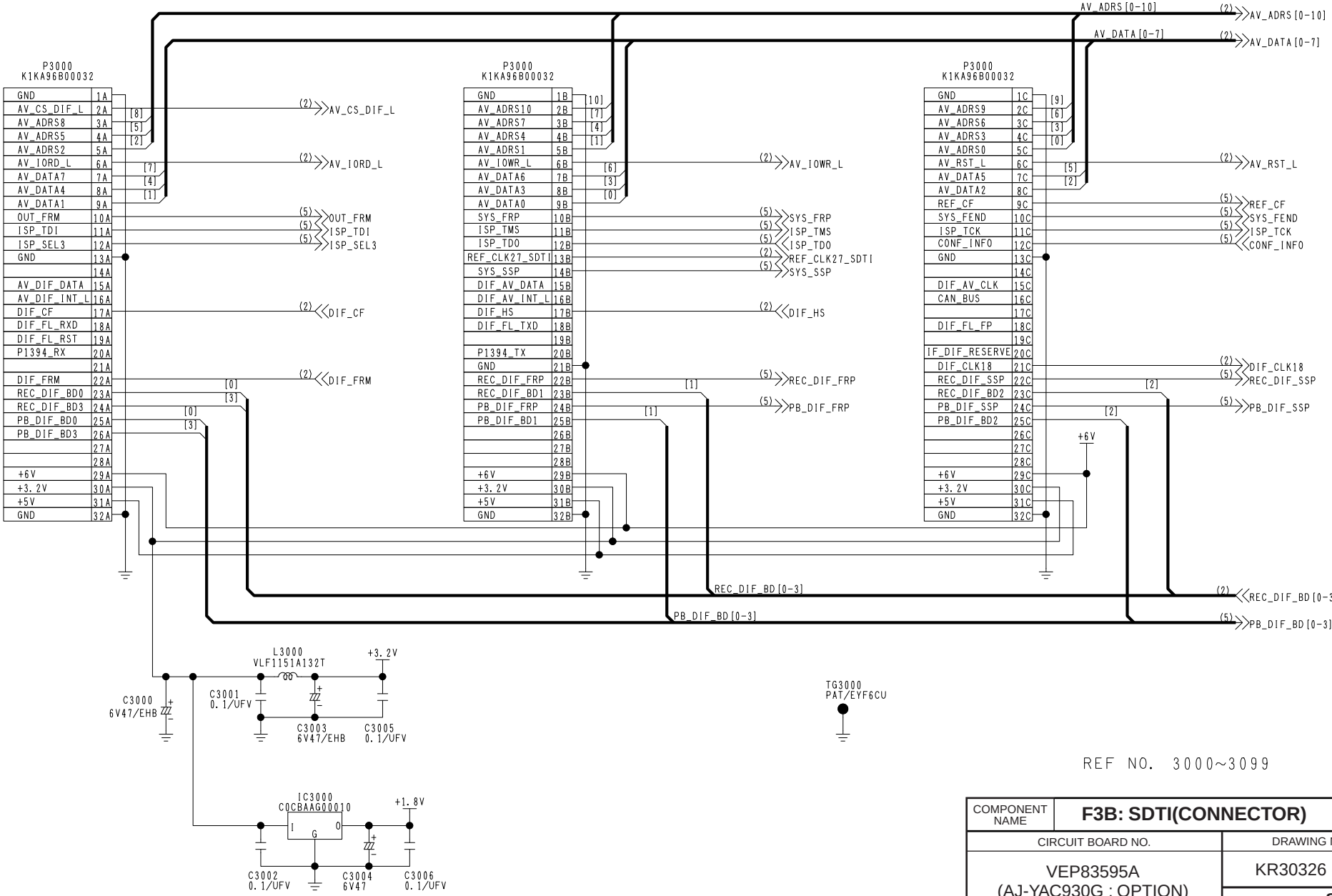
COMPONENT NAME	F2A: V_IN(COM_BUFF)	18/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (18/19) (0)
		SCM191



PAT=PATTERN ONLY

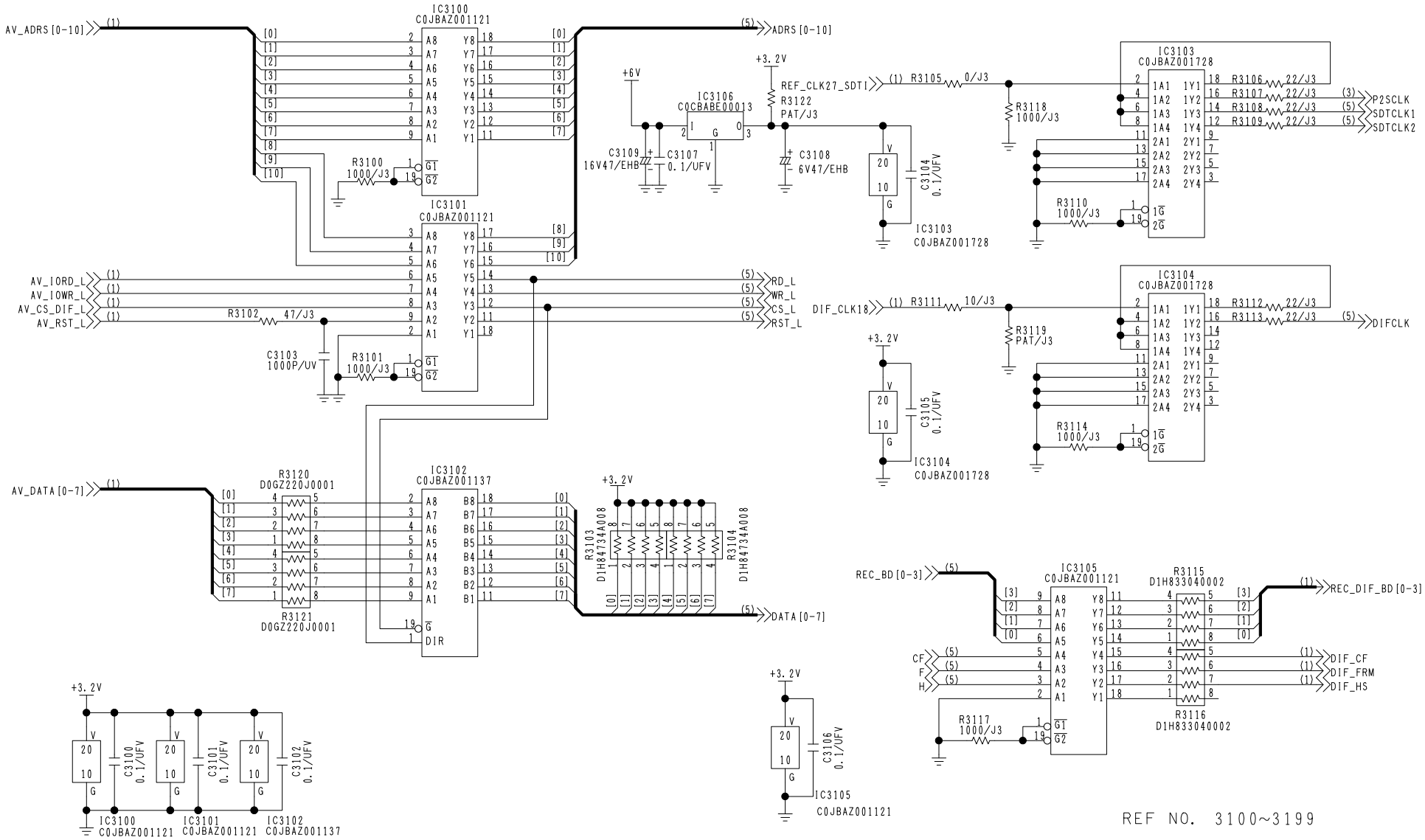
Ref No. 3950～3999 Series.

COMPONENT NAME	F2A: V_IN(ISP)	19/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (19/19) (0)
		SCM192

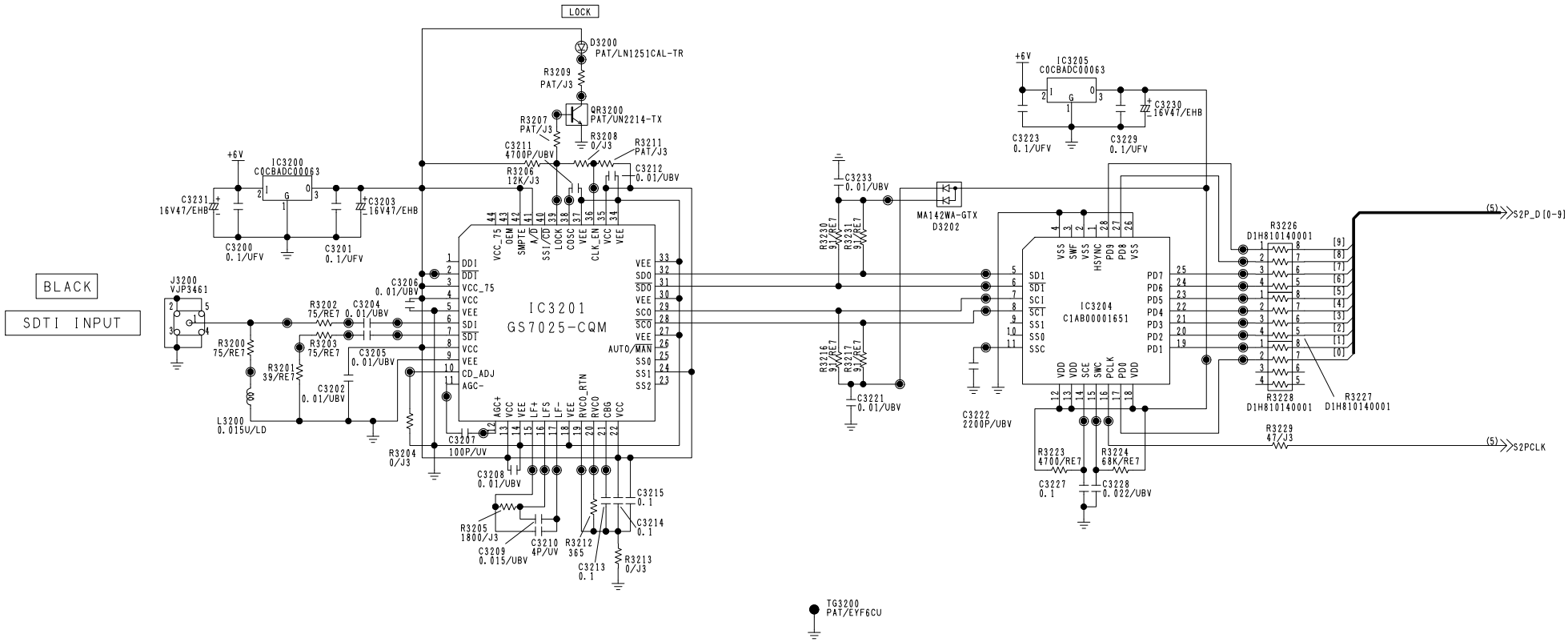


REF NO. 3000~3099

COMPONENT NAME	F3B: SDTI(CONNECTOR)	01/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP83595A (AJ-YAC930G : OPTION)		KR30326 (1/5) (0)
		SCM193

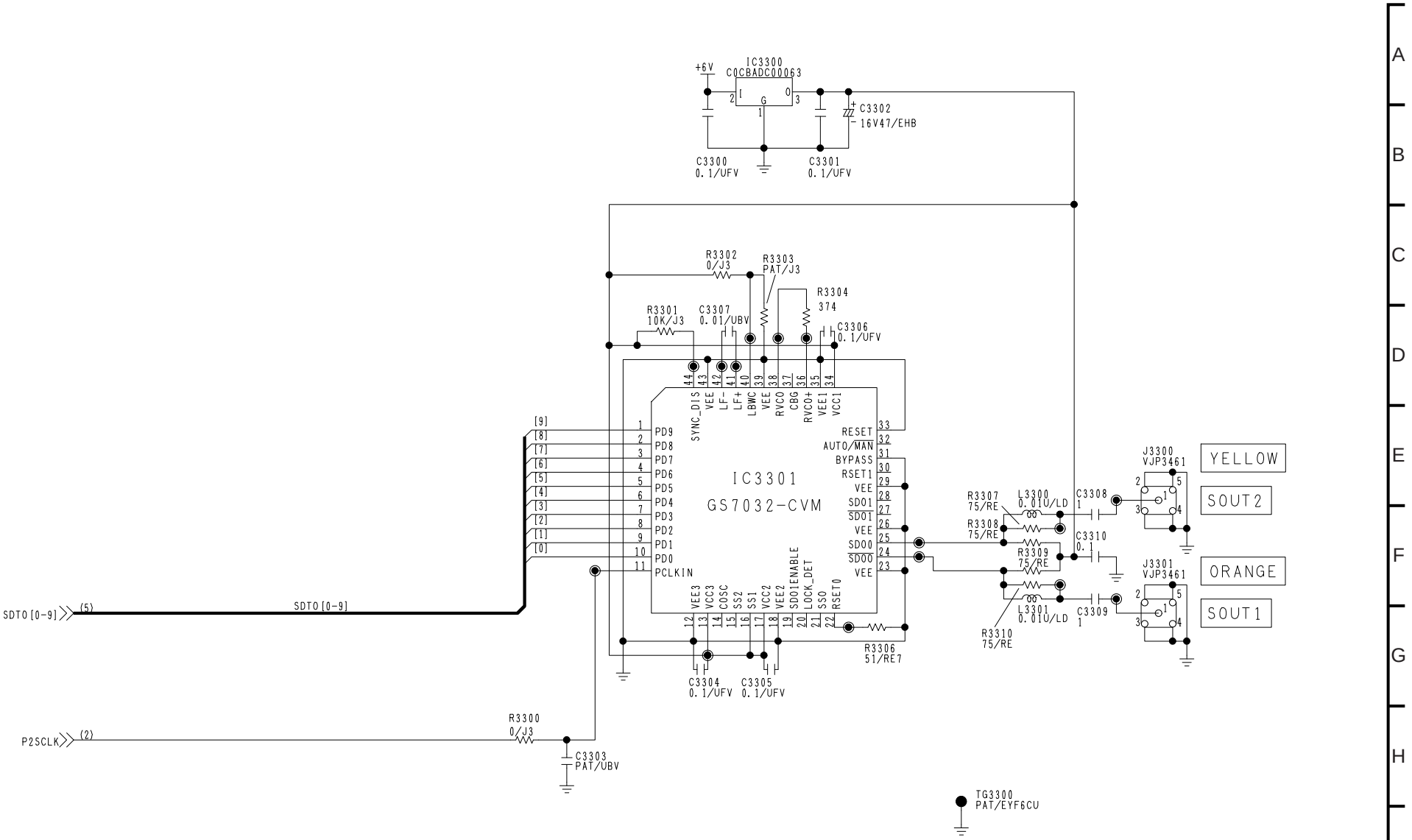


COMPONENT NAME	**F3B: SDTI(IO_BUFF)**	02/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83595A (AJ-YAC930G : OPTION)	KR30326 (2/5) (0)	
	SCM194	



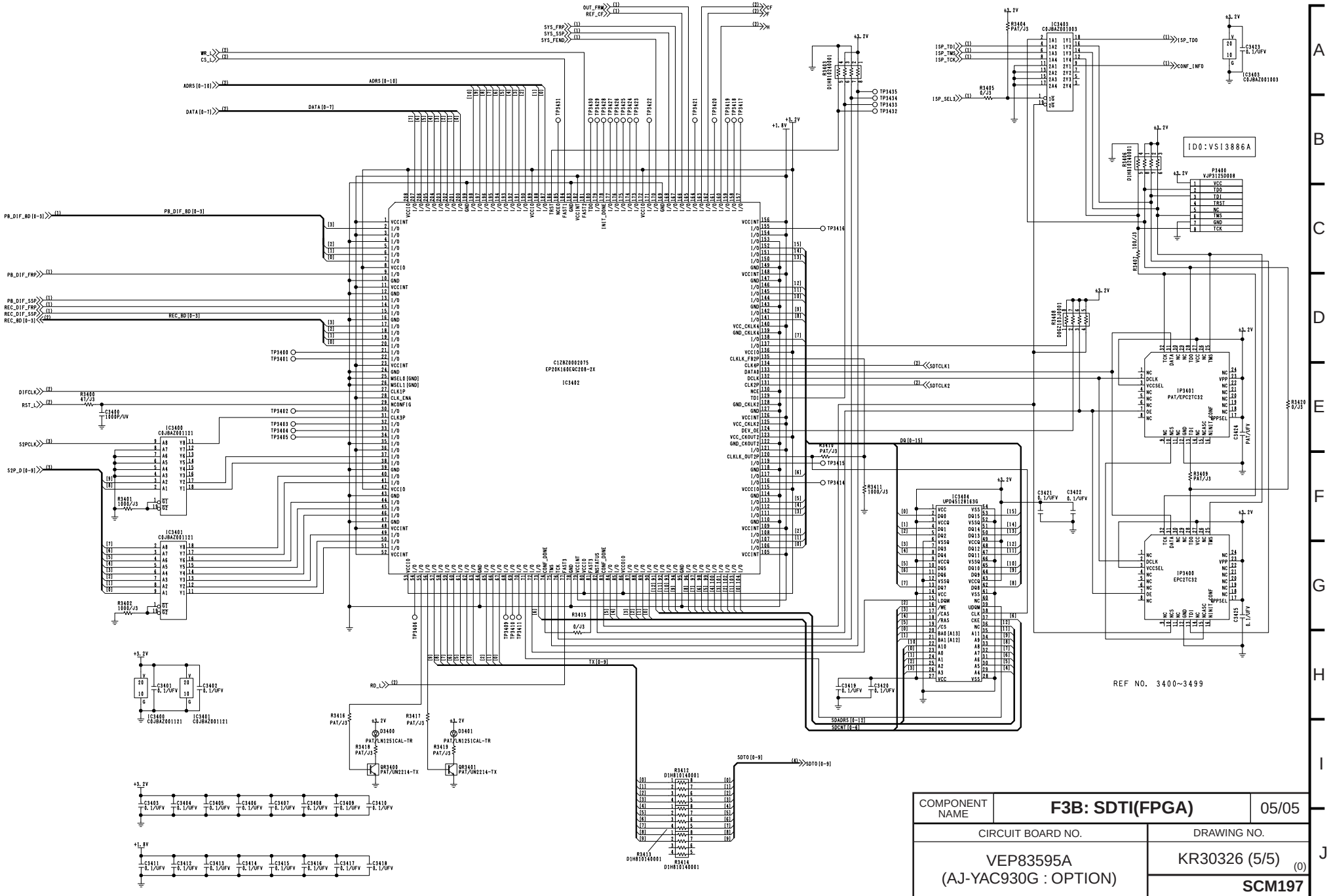
REF NO. 3200~3299

COMPONENT NAME	F3B: SDTI(S2P)	03/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP83595A (AJ-YAC930G : OPTION)		KR30326 (3/5) (0)
		SCM195



REF NO. 3300~3399

COMPONENT NAME	F3B: SDTI(P2S)	04/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP83595A (AJ-YAC930G : OPTION)		KR30326 (4/5) (0)
		SCM196



COMPONENT NAME	F3B: SDTI(FPGA)	05/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP83595A (AJ-YAC930G : OPTION)		KR30326 (5/5) (0) **SCM197**

SECTION 7

CIRCUIT BOARD DIAGRAMS

NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION 8

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

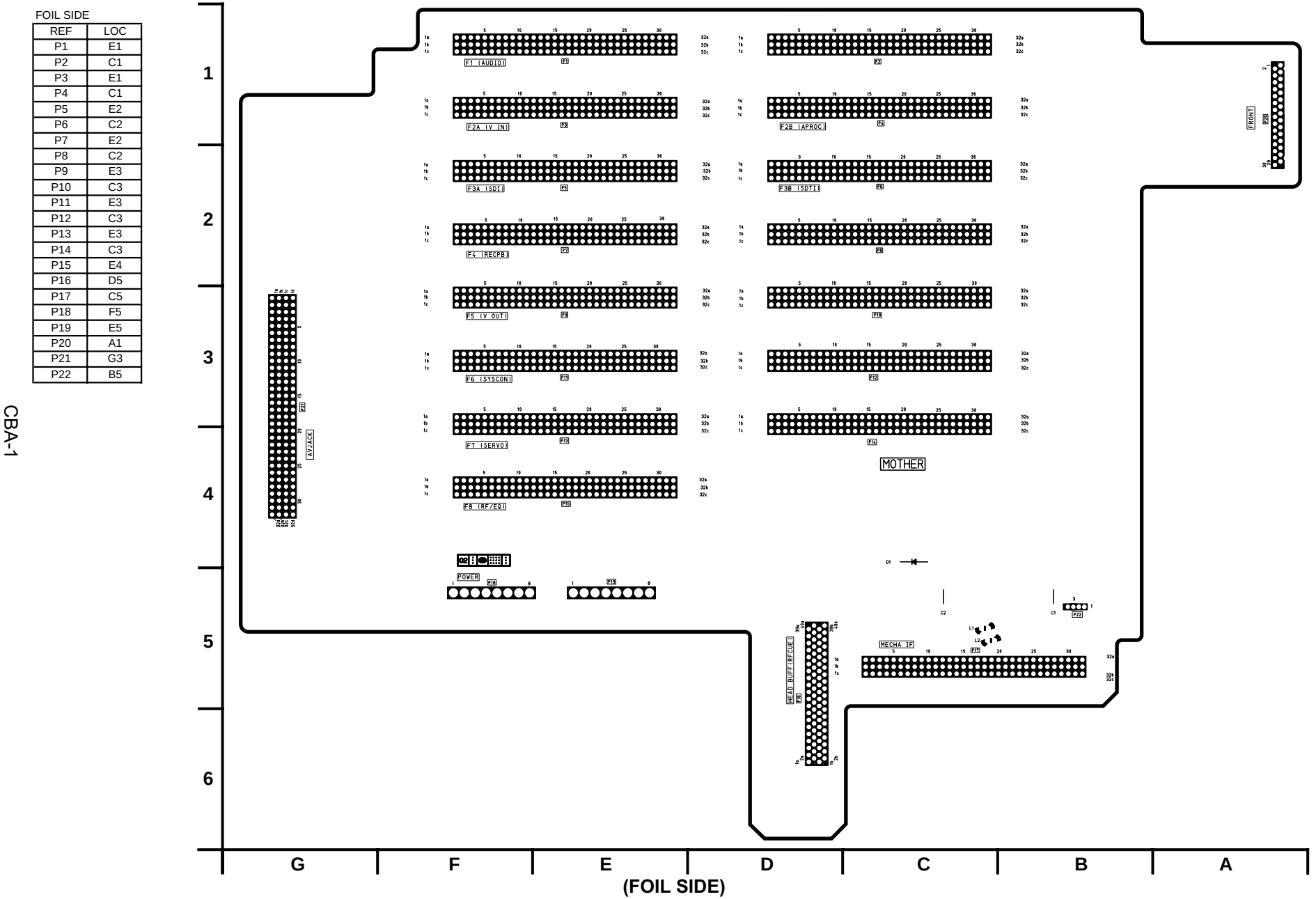
MOTHER P.C.BOARD (VEP80C41A) CBA-1
F1: AUDIO P.C.BOARD (VEP84383A) CBA-3
F2B: APROC P.C.BOARD (VEP84384A) CBA-5
F3A: SDI P.C.BOARD (VEP83605A) CBA-7
F4: REC PB P.C.BOARD (SD930: VEP83596B) (SD955A: VEP83596C) CBA-9
F5: V OUT P.C.BOARD (SD930: VEP83597B) (SD955A: VEP83597C) CBA-11
F6: SYSCON P.C.BOARD (SD930: VEP86326B) (SD955A: VEP86326C) CBA-13
F7: SERVO P.C.BOARD (SD930: VEP82246B) (SD955A: VEP82246C) CBA-15
F8: RF/EQ P.C.BOARD (VEP85207A) CBA-17
RF/CUE P.C.BOARD (VEP85208A) CBA-19
FRONT P.C.BOARD (SD930: VEP86327A) (SD955A: VEP86327B) CBA-21
AV JACK P.C.BOARD (VEP80C40A) CBA-23
POWER 1 P.C.BOARD (VEP81221C) CBA-25
MECHA_IF P.C.BOARD (VEP82239A) CBA-27
MECHA_IF2 P.C.BOARD (VEP82247A) CBA-28
FRONT SUB P.C.BOARD (VEP80C43A) CBA-28
EJECT P.C.BOARD (VEP80C42A) CBA-28
F2A: V_IN P.C.BOARD (VEP83594B/A) (AJ-YA931G, YA932G: OPTION) CBA-29
F3B: SDTI P.C.BOARD (VEP83595A) (AJ-YAC930G: OPTION) CBA-31

MOTHER P.C.BOARD (VEP80C41A)

FOIL SIDE

REF	LOC
P1	E1
P2	C1
P3	E1
P4	C1
P5	E2
P6	C2
P7	E2
P8	C2
P9	E3
P10	C3
P11	E3
P12	C3
P13	E3
P14	C3
P15	E4
P16	D5
P17	C5
P18	F5
P19	E5
P20	A1
P21	G3
P22	B5

CBA-1

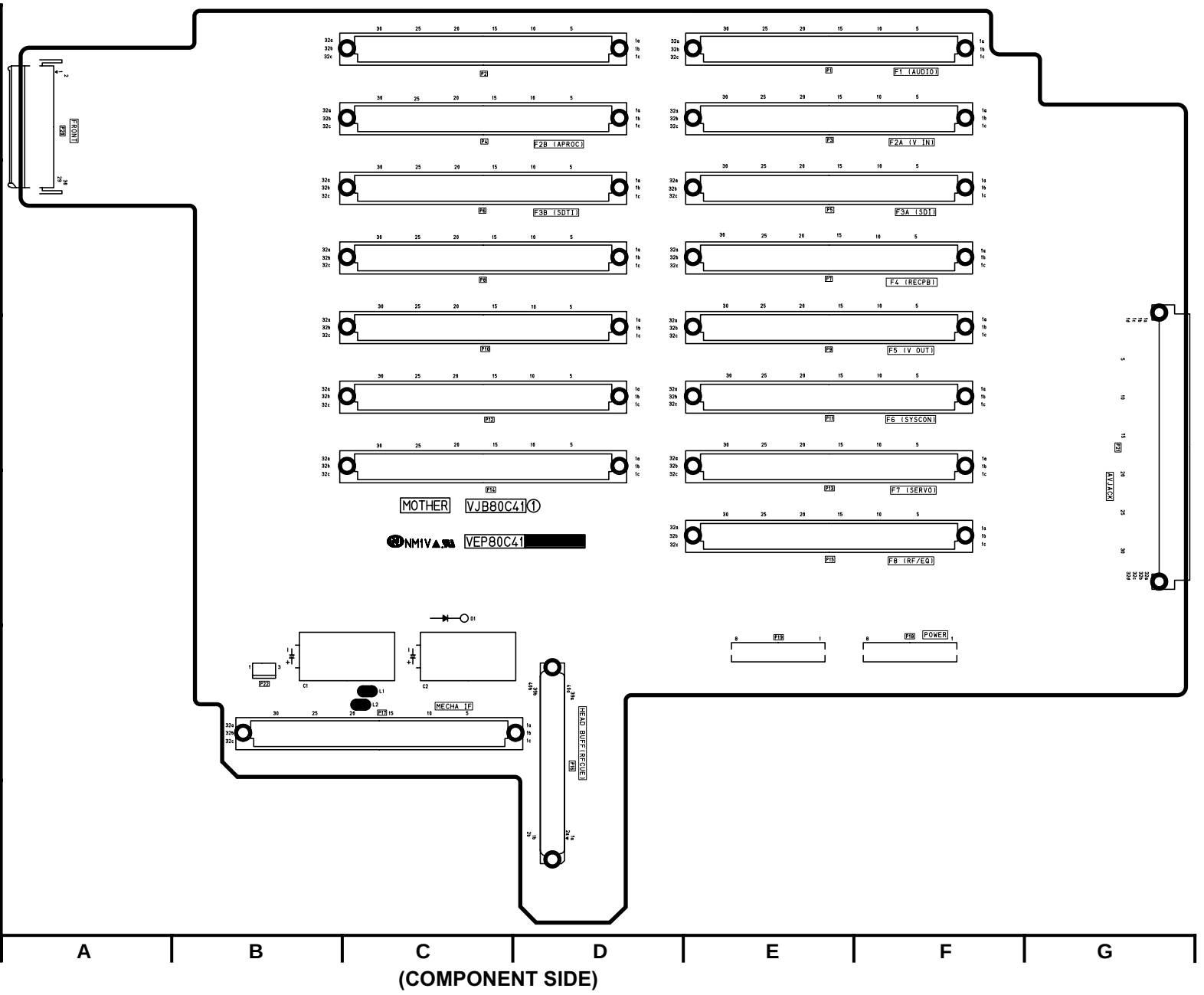


MOTHER P.C.BOARD (VEP80C41A)

COMPONENT SIDE

REF	LOC
P1	E1
P2	C1
P3	E1
P4	C1
P5	E2
P6	C2
P7	E2
P8	C2
P9	E3
P10	C3
P11	E3
P12	C3
P13	E3
P14	C3
P15	E4
P16	D5
P17	C5
P18	F5
P19	E5
P20	A1
P21	G3
P22	B5

CBA-2

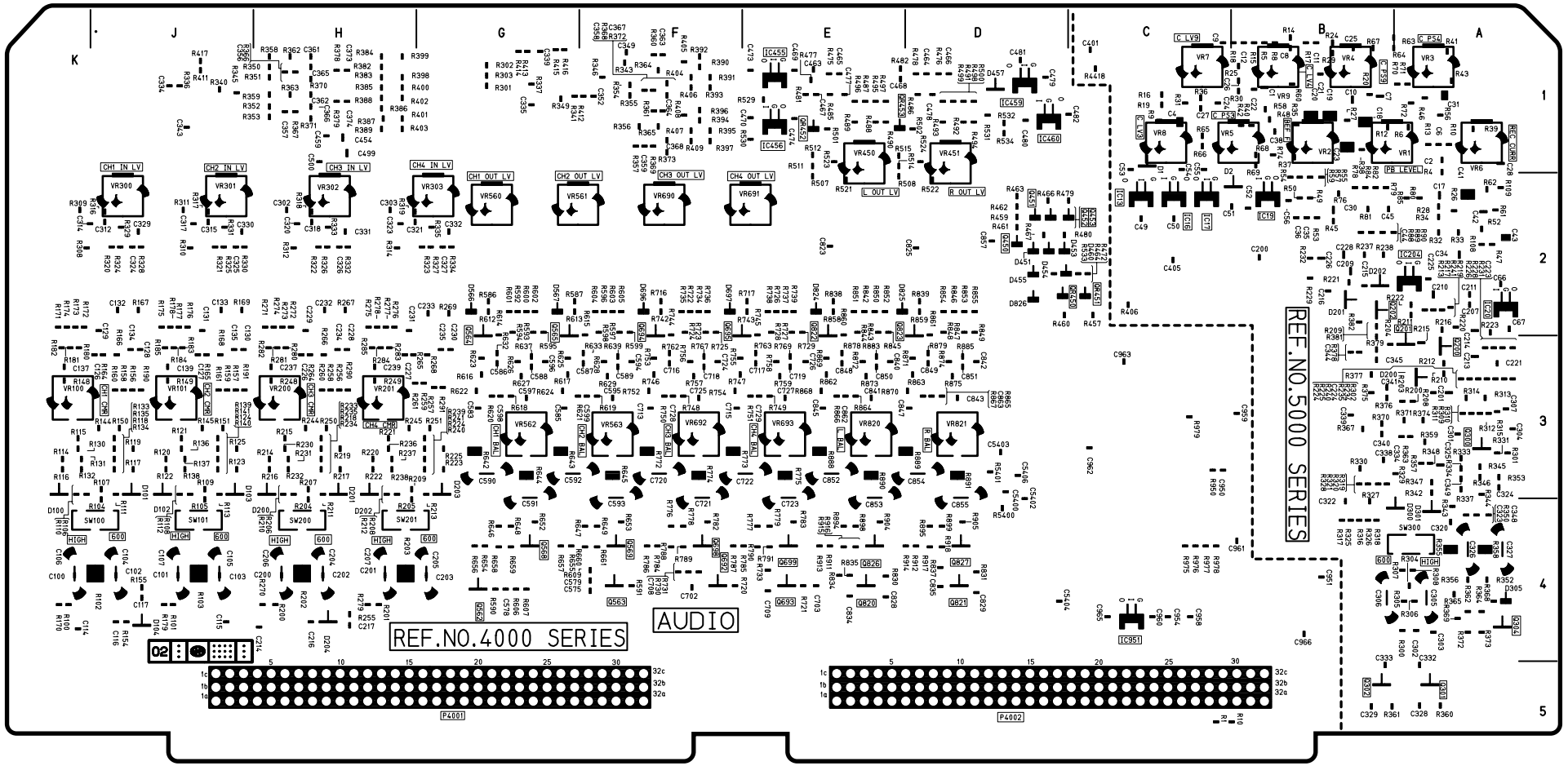


F1: AUDIO P.C.BOARD (VEP84383A)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4455	E1	Q4451	D2	Q4699	E4	QR4450	D2	VR4560	G2	VR5005	B1
IC4456	E1	Q4452	D2	Q4820	E4	QR4451	C2	VR4561	F2	VR5006	A1
IC4459	D1	Q4453	C2	Q4821	D4	QR4452	E1	VR4562	G3	VR5007	C1
IC4460	D1	Q4562	G4	Q4822	E2	QR4453	E1	VR4563	F3	VR5008	C1
IC4951	C4	Q4563	F4	Q4823	D2	VR4100	K3	VR4690	F2	VR5009	B1
IC5013	C2	Q4564	G2	Q4826	E4	VR4101	J3	VR4691	E2		
IC5016	C2	Q4565	G2	Q4827	D4	VR4200	H3	VR4692	F3		
IC5017	C2	Q4568	G4	Q5200	A3	VR4201	H3	VR4693	E3		
IC5019	B2	Q4569	F4	Q5201	A3	VR4300	J2	VR4820	E3		
IC5020	A2	Q4692	F4	Q5202	B2	VR4301	J2	VR4821	D3		
IC5204	A2	Q4693	E4	Q5300	A3	VR4302	H2	VR5001	B1		
P4001	G5	Q4694	F2	Q5301	A5	VR4303	G2	VR5002	B1		
P4002	D5	Q4695	F2	Q5302	B5	VR4450	E1	VR5003	A1		
Q4450	D2	Q4698	F4	Q5304	A4	VR4451	D1	VR5004	B1		

CBA-3



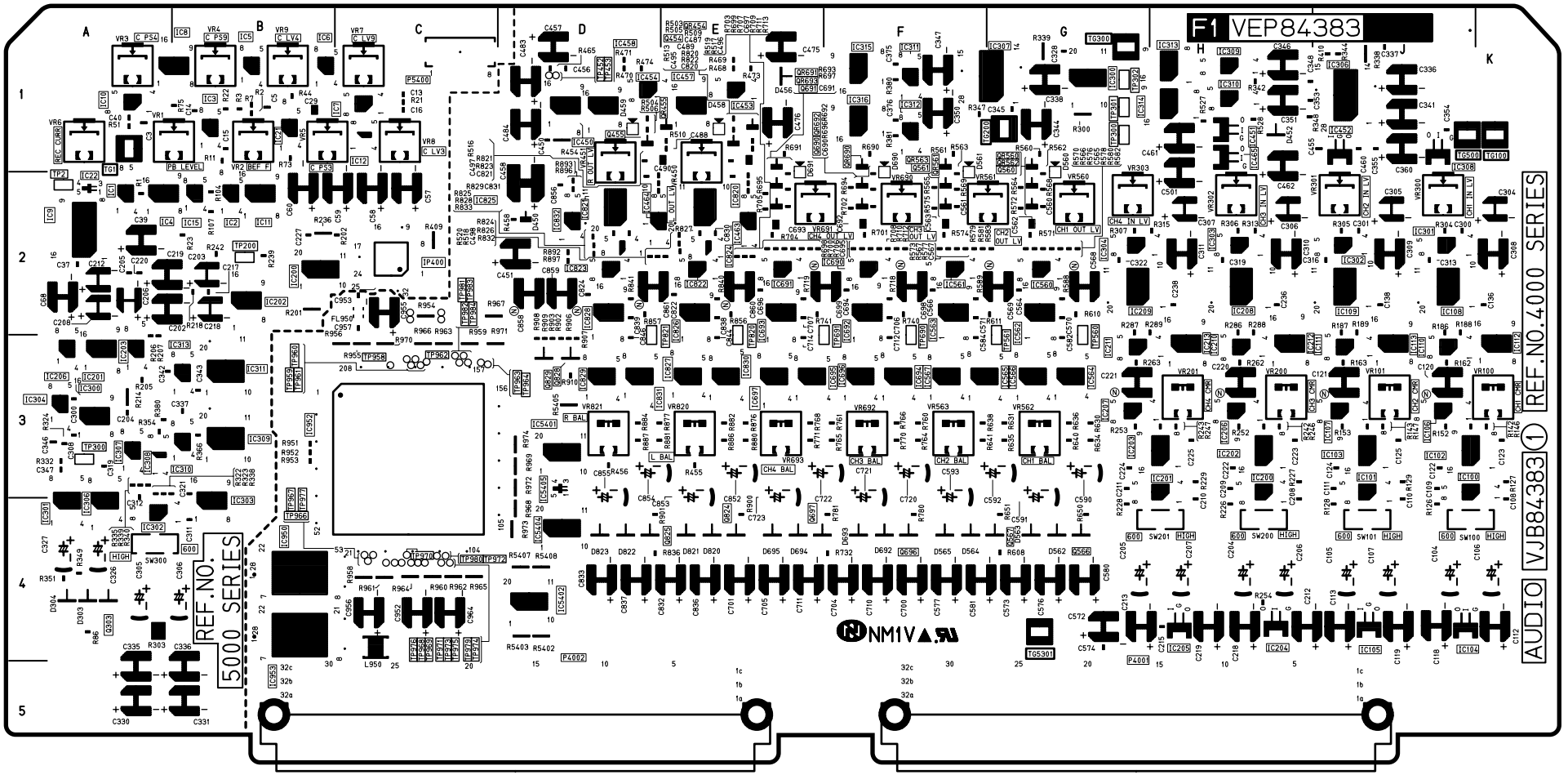
(FOIL SIDE)

F1: AUDIO P.C.BOARD (VEP84383A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4100	J3	IC4201	H3	IC4301	J2	IC4316	F1	IC4563	F2	IC4821	D2	IC4953	B4	IC5021	B1	IC5308	A3	Q4455	D1	QR4454	E1	TG5001	A1	TP4959	C3	TP4974	C4	VR4101	J3	VR4691	E2
IC4101	J3	IC4202	H3	IC4302	J2	IC4450	D1	IC4564	G3	IC4822	E2	IC5001	A2	IC5022	A2	IC5309	B3	Q4560	G2	QR4455	E1	TG5301	G4	TP4960	C3	TP4975	C4	VR4200	H3	VR4692	F3
IC4102	J3	IC4203	H3	IC4303	H2	IC4451	H1	IC4565	G3	IC4823	D2	IC5002	B2	IC5200	B2	IC5310	B3	Q4561	F2	QR4560	G2	TP4300	G1	TP4961	C3	TP4976	C4	VR4201	H3	VR4693	E3
IC4103	J3	IC4204	H4	IC4304	G2	IC4452	J1	IC4566	G3	IC4824	E2	IC5003	B1	IC5201	A3	IC5311	B3	Q4690	F2	QR4561	F1	TP4301	G1	TP4962	C3	TP4977	C4	VR4300	J2	VR4820	E3
IC4104	J4	IC4205	H4	IC4306	J1	IC4453	E1	IC4567	F3	IC4825	D2	IC5004	A2	IC5202	B2	IC5313	B3	Q4691	E1	QR4562	G2	TP4302	G1	TP4963	C3	TP4979	C4	VR4301	J2	VR4821	D3
IC4105	J4	IC4206	H3	IC4307	G1	IC4454	D1	IC4690	F2	IC4826	E2	IC5005	B1	IC5203	A3	IC5401	D3	Q4828	D3	QR4563	F2	TP4452	D1	TP4964	C3	TP4980	C4	VR4302	H2	VR5001	B1
IC4106	J3	IC4207	G3	IC4308	J1	IC4457	E1	IC4691	E2	IC4827	E3	IC5006	B1	IC5206	A3	IC5402	D4	Q4829	D3	QR4690	F1	TP4453	D1	TP4966	C4	TP4981	C3	VR4303	G2	VR5002	B1
IC4107	J3	IC4208	H2	IC4309	H1	IC4458	D1	IC4692	F2	IC4828	D2	IC5007	C1	IC5300	A3	IC5404	D4	Q5303	A4	QR4691	E1	TP4560	G2	TP4967	C4	TP4982	C3	VR4450	E1	VR5003	A1
IC4109	J2	IC4209	G2	IC4310	H1	IC4463	E2	IC4693	E2	IC4829	D3	IC5008	B1	IC5301	A4	IC5405	D3	Q5566	G4	QR4692	F2	TP4561	G2	TP4968	C4	TP4983	C3	VR4451	D1	VR5004	B1
IC4110	J3	IC4210	H3	IC4311	F1	IC4464	D2	IC4694	F3	IC4830	E3	IC5009	A2	IC5302	A4	IP5400	C2	Q5567	G4	QR4693	E1	TP4690	F2	TP4969	C4	TP4984	C3	VR4560	G2	VR5005	B1
IC4111	J3	IC4211	G3	IC4312	F1	IC4465	H1	IC4695	E3	IC4831	D3	IC5010	A1	IC5303	B4	P4001	G5	Q5696	F4	TG4100	K1	TP4691	F2	TP4970	C4	TP5002	A2	VR4561	G2	VR5006	A1
IC4112	K3	IC4212	H3	IC4313	H1	IC4560	G2	IC4696	F3	IC4832	D2	IC5011	B2	IC5304	A3	P4002	D5	Q5697	E4	TG4200	G1	TP4820	E2	TP4971	C4	TP5200	B2	VR4562	G3	VR5007	C1
IC4113	J3	IC4213	H3	IC4314	H1	IC4561	F2	IC4697	E3	IC4950	B4	IC5012	C1	IC5306	A4	P5400	C1	Q5824	E4	TG4300	G1	TP4821	D2	TP4972	C4	TP5300	A3	VR4563	F3	VR5008	C1
IC4200	H3	IC4300	G1	IC4315	F1	IC4562	G2	IC4820	E2	IC4952	C3	IC5015	B2	IC5307	A3	Q4454	E1	Q5825	D4	TG4500	J1	TP4958	C3	TP4973	C4	VR4100	K3	VR4690	F2	VR5009	B1

CBA-4

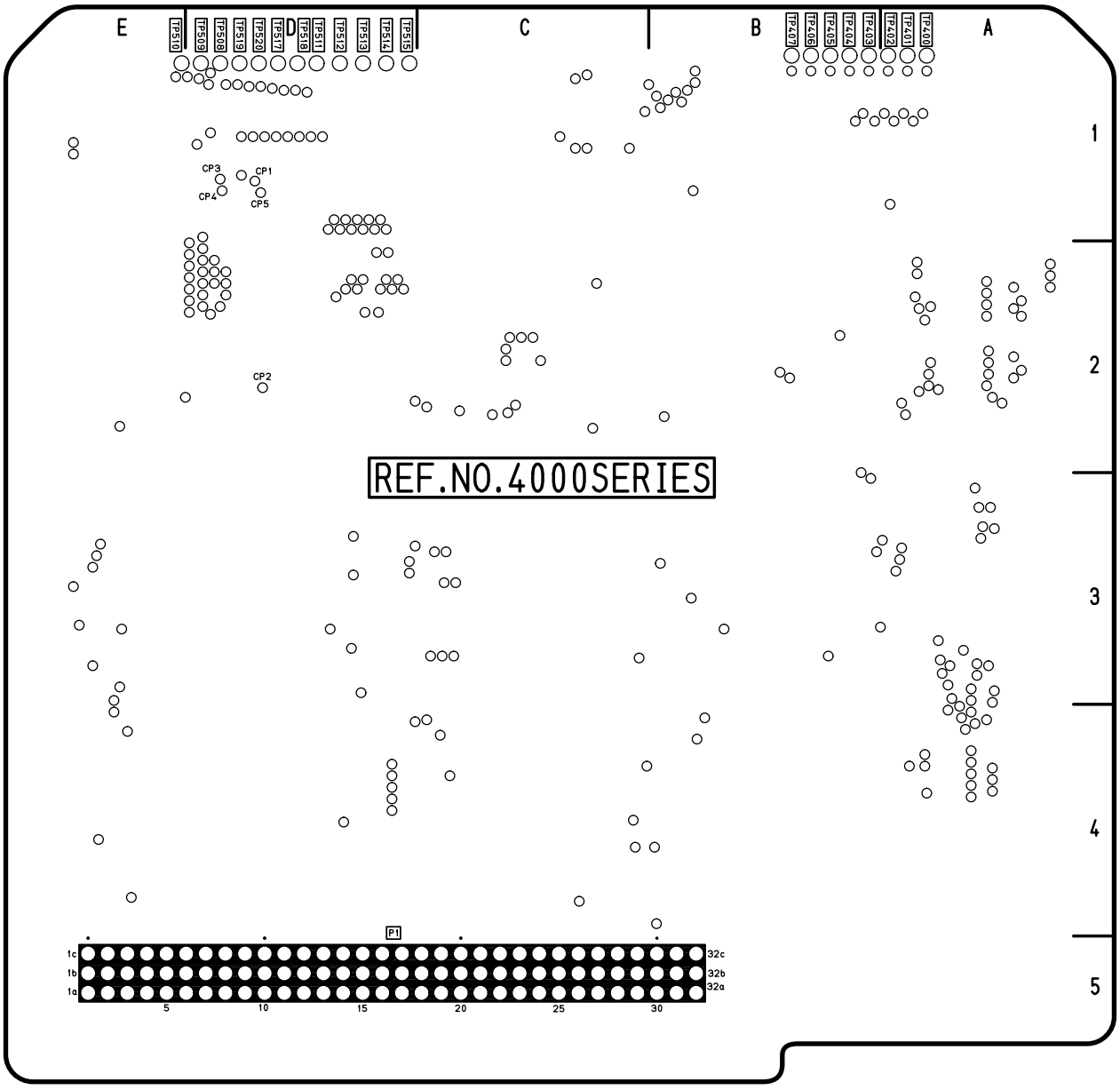


(COMPONENT SIDE)

F2B: A_PROC P.C.BOARD (VEP84384A)

FOIL SIDE

REF	LOC	REF	LOC
P1	D5	TP512	D1
TP400	A1	TP513	D1
TP401	A1	TP514	D1
TP402	A1	TP515	D1
TP403	B1	TP517	D1
TP404	B1	TP518	D1
TP405	B1	TP519	D1
TP406	B1	TP520	D1
TP407	B1		
TP508	D1		
TP509	D1		
TP510	E1		
TP511	D1		

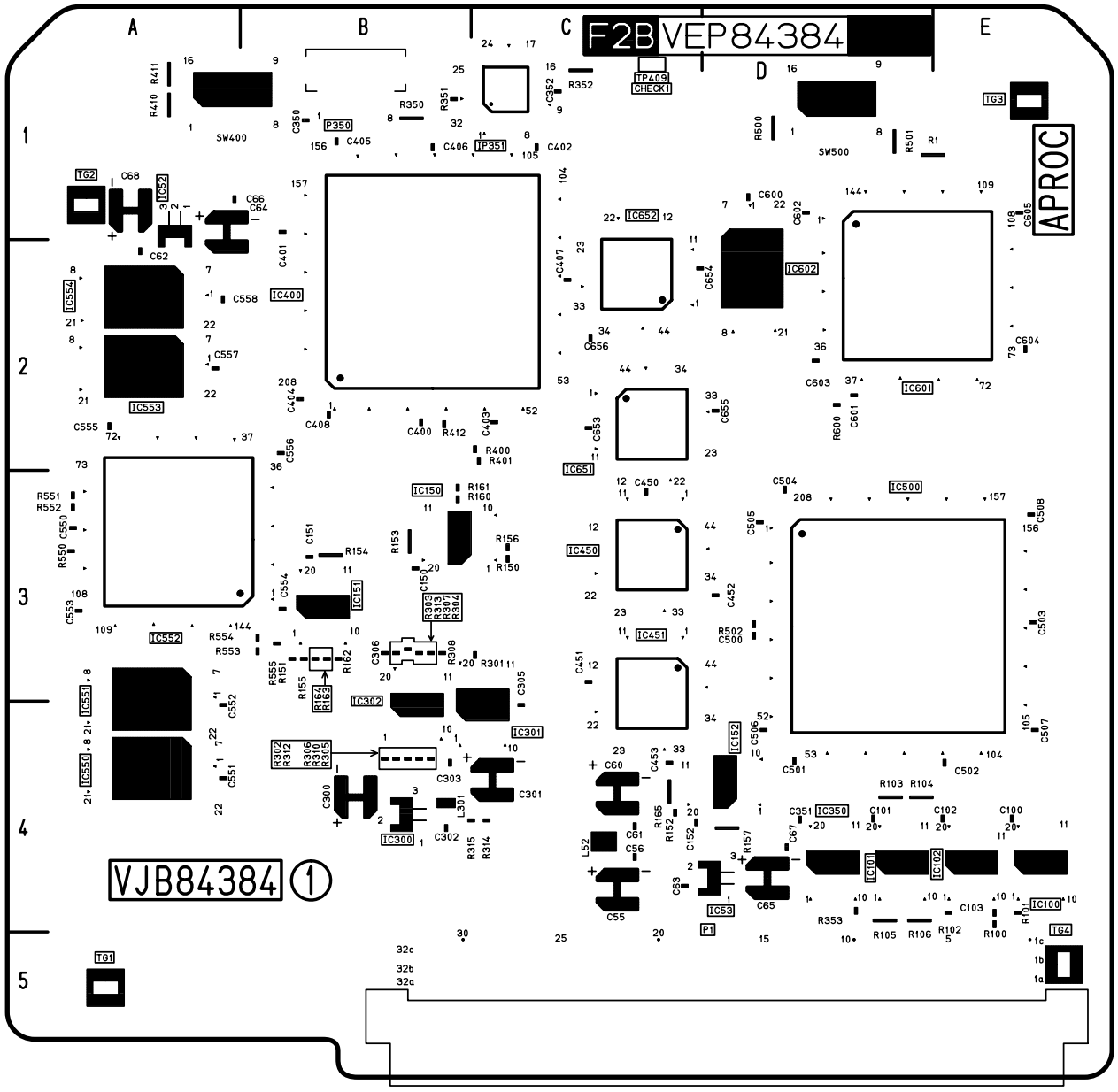


(FOIL SIDE)

F2B: A_PROC P.C.BOARD (VEP84384A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC
IC52	A1	IC450	C3	P1	D5
IC53	D4	IC451	C3	P350	B1
IC100	E4	IC500	D3	TG1	A5
IC101	D4	IC550	A4	TG2	A1
IC102	D4	IC551	A3	TG3	E1
IC150	B3	IC552	A3	TG4	E5
IC151	B3	IC553	A2	TP409	C1
IC152	D4	IC554	A2		
IC300	B4	IC601	D2		
IC301	C4	IC602	D2		
IC302	B4	IC651	C2		
IC350	D4	IC652	C2		
IC400	B2	IP351	C1		

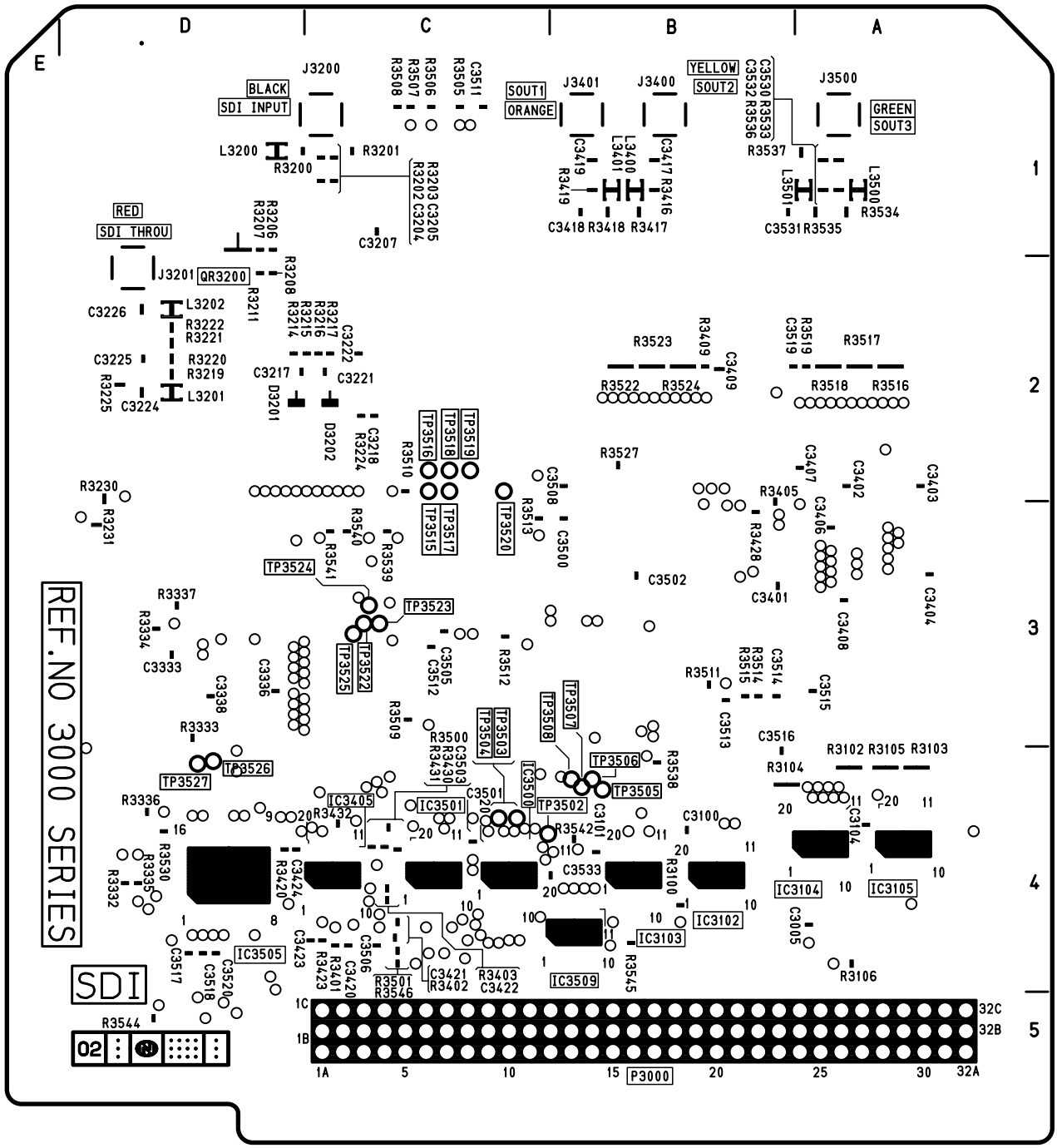


(COMPONENT SIDE)

F3A: SDI P.C.BOARD (VEP83605A)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC
IC3102	B4	TP3504	C4	TP3526	D4
IC3103	B4	TP3505	B4	TP3527	D4
IC3104	A4	TP3506	B4		
IC3105	A4	TP3507	B4		
IC3405	C4	TP3508	B4		
IC3500	C4	TP3515	C2		
IC3501	C4	TP3516	C2		
IC3505	D4	TP3517	C2		
IC3509	B4	TP3518	C2		
P3000	B5	TP3520	C2		
P3519	C2	TP3522	C3		
QR3200	D1	TP3523	C3		
TP3502	C4	TP3524	C3		
TP3503	C4	TP3525	C3		

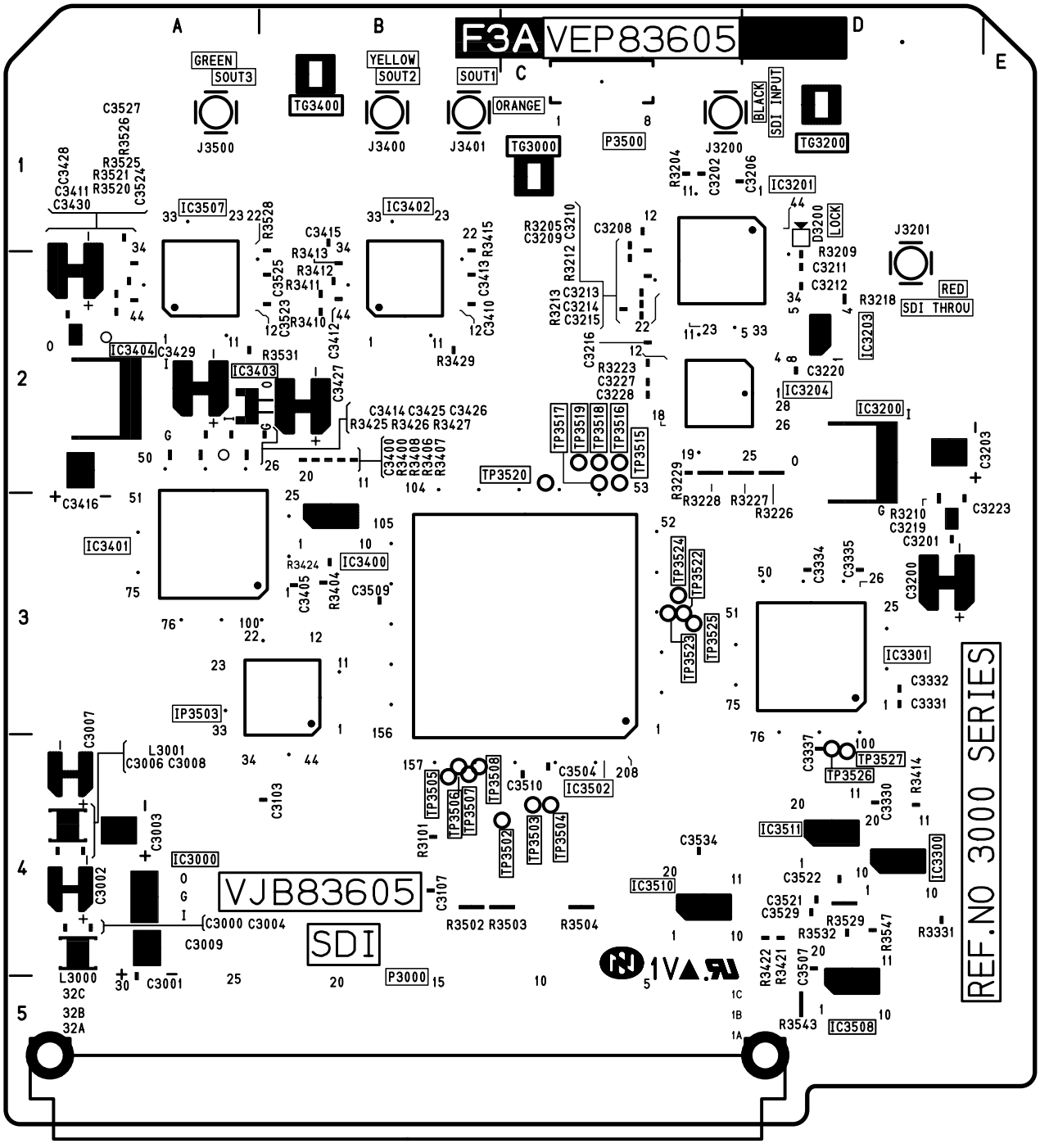


(FOIL SIDE)

F3A: SDI P.C.BOARD (VEP83605A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC
IC3000	A4	IC3508	D5	TP3506	B4
IC3200	D2	IC3510	C4	TP3507	B4
IC3201	C2	IC3511	D4	TP3508	B4
IC3203	D2	IP3503	B3	TP3515	C2
IC3204	C2	P3000	B5	TP3516	C2
IC3300	D4	P3500	C1	TP3517	C2
IC3301	D3	P3527	D4	TP3518	C2
IC3400	B3	TG3000	C1	TP3519	C2
IC3401	A3	TG3200	D1	TP3520	C2
IC3402	B2	TG3400	B1	TP3522	C3
IC3403	A2	TP3502	C4	TP3523	C3
IC3404	A2	TP3503	C4	TP3524	C3
IC3502	C3	TP3504	C4	TP3525	C3
IC3507	A2	TP3505	B4	TP3526	D4

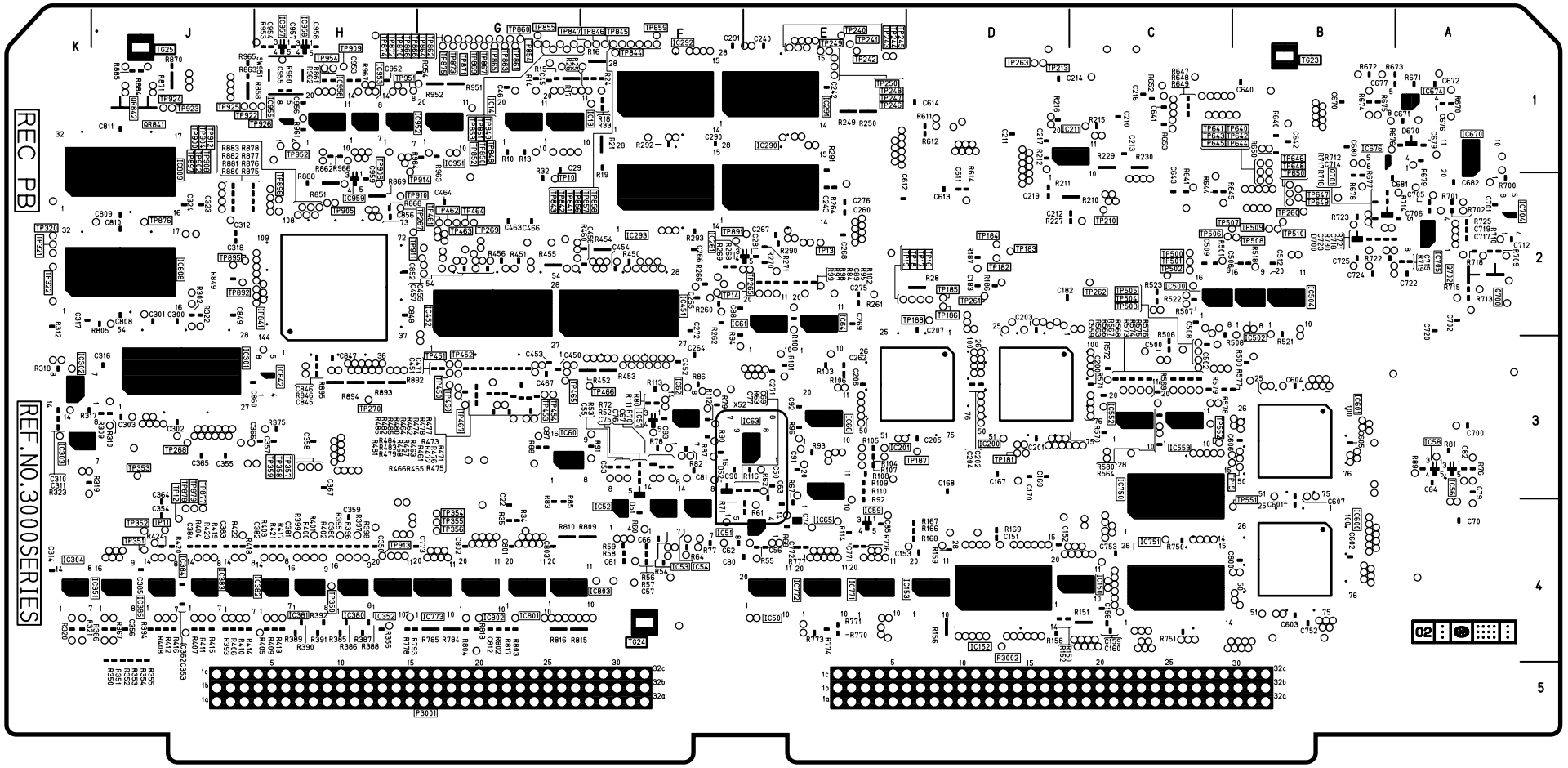


(COMPONENT SIDE)

F4: REC PB P.C.BOARD (SD930:VEP83596B)(SD955A:VEP83596C)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC13	G1	IC64	E2	IC302	K3	IC504	B2	IC801	G4	P3001	G5	TP15	B3	TP240	E1	TP265	E2	TP357	H3	TP467	G3	TP641	B1	TP846	F1	TP861	G1	TP876	J2	TP909	H1
IC14	G1	IC65	E3	IC303	K3	IC552	C3	IC802	G4	P3002	D5	TP16	D2	TP241	E1	TP267	H2	TP358	H3	TP500	C2	TP642	B1	TP847	F1	TP862	G1	TP877	J4	TP910	H2
IC50	E4	IC66	E3	IC304	K4	IC553	C3	IC803	G4	Q700	A2	TP17	D2	TP242	E1	TP268	J3	TP359	H3	TP501	C2	TP643	B1	TP848	G1	TP863	G1	TP878	J4	TP911	H2
IC51	F4	IC150	C4	IC351	K4	IC600	B4	IC808	J2	Q701	B2	TP18	D2	TP243	E1	TP269	G2	TP450	G3	TP502	C2	TP644	B2	TP849	G1	TP864	G1	TP879	J4	TP912	H2
IC52	F4	IC152	D4	IC352	H4	IC601	B3	IC809	J1	Q702	A2	TP19	E2	TP244	E1	TP270	H3	TP451	G3	TP503	C3	TP645	B2	TP850	G1	TP865	G1	TP891	F2	TP913	H4
IC53	F4	IC153	D4	IC380	H4	IC670	A1	IC842	H3	QR841	J1	TP181	D3	TP245	E1	TP320	K2	TP452	G3	TP504	C3	TP646	B2	TP851	G1	TP866	G1	TP892	J2	TP914	H1
IC54	F4	IC200	D3	IC381	H4	IC674	A1	IC951	G1	QR842	J1	TP182	D2	TP246	E1	TP321	K2	TP453	G3	TP505	C3	TP647	B2	TP852	G1	TP867	G1	TP895	J2	TP922	J1
IC56	A3	IC201	D3	IC382	J4	IC676	B1	IC952	H1	TG23	B1	TP183	D2	TP247	E1	TP322	K2	TP454	G3	TP506	C2	TP648	B2	TP853	G1	TP868	G1	TP896	H2	TP923	J1
IC57	F3	IC211	C1	IC383	J4	IC704	A2	IC953	H1	TG24	F4	TP184	D2	TP248	E1	TP350	H4	TP460	G3	TP507	C2	TP649	B2	TP854	G1	TP869	G1	TP897	H2	TP924	J1
IC58	A3	IC261	E2	IC384	J4	IC705	A2	IC955	H1	TG25	J1	TP185	D2	TP249	E1	TP351	J4	TP461	G2	TP508	B2	TP650	B2	TP855	G1	TP870	G1	TP900	H2	TP925	J1
IC59	E4	IC290	E2	IC385	J4	IC750	C3	IC956	H1	TP10	G2	TP186	D2	TP250	E1	TP352	J4	TP462	G2	TP509	B2	TP841	F1	TP856	F1	TP871	G1	TP902	H2	TP926	H1
IC60	G3	IC291	E1	IC451	F2	IC751	C4	IC957	H1	TP11	J4	TP187	D3	TP260	B2	TP353	J3	TP463	G2	TP510	B2	TP842	F1	TP857	F1	TP872	G1	TP904	H2	TP951	H1
IC61	E2	IC292	F1	IC452	G2	IC771	E4	IC958	H1	TP12	J4	TP188	D2	TP261	D2	TP354	G4	TP464	G2	TP551	B4	TP843	F1	TP858	F1	TP873	G1	TP905	H2	TP952	H1
IC62	F3	IC293	F2	IC500	C2	IC772	E4	IC959	H2	TP13	E2	TP210	C2	TP262	C2	TP355	G4	TP465	G3	TP552	C3	TP844	F1	TP859	F1	TP874	G1	TP906	H2	TP954	H1
IC63	E3	IC301	J3	IC502	B2	IC773	G4	IP841	H2	TP14	F2	TP213	D1	TP263	D1	TP356	G4	TP466	F3	TP640	B1	TP845	F1	TP860	G1	TP875	G1	TP908	H2		



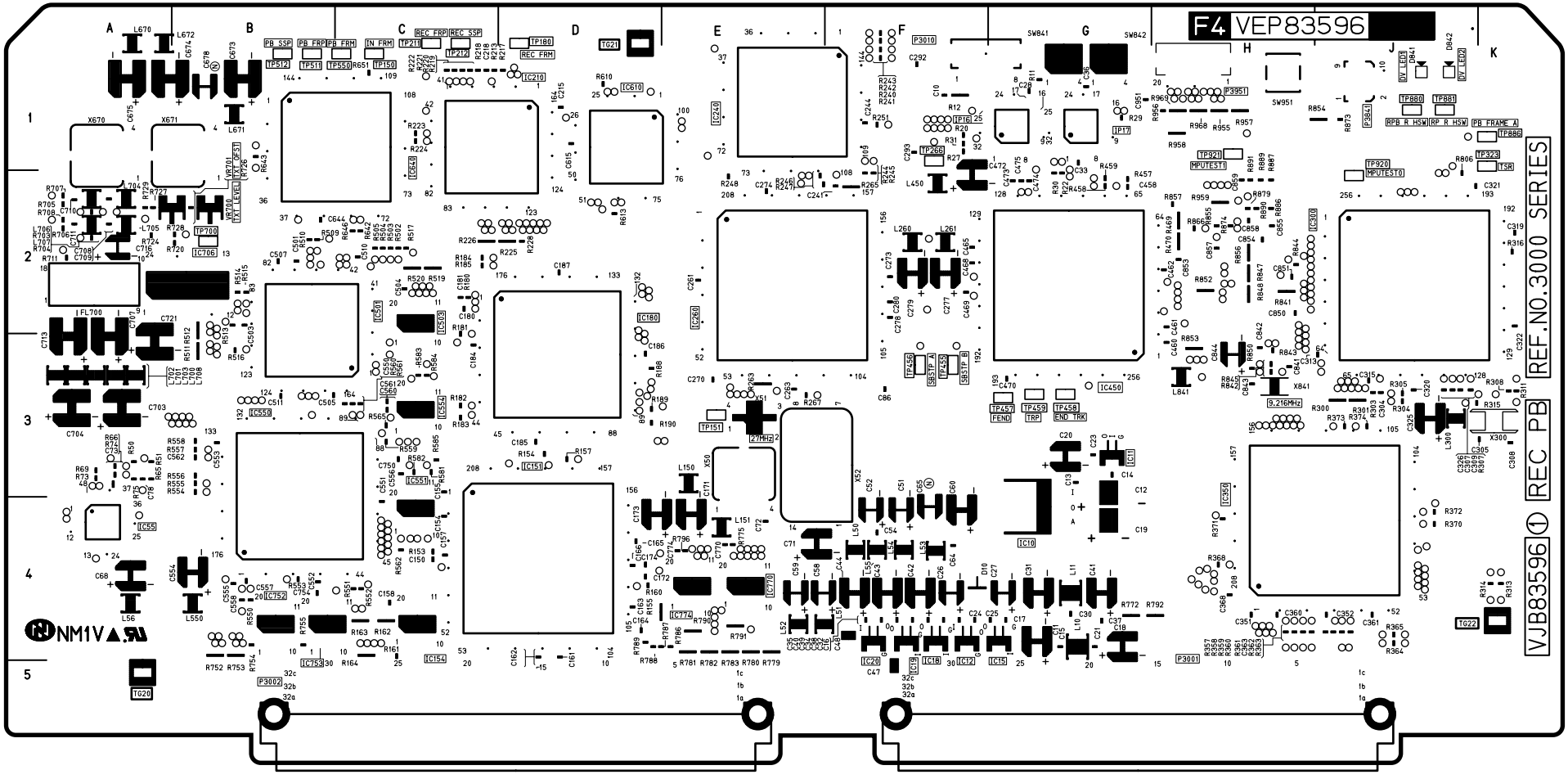
CBA-9

(FOIL SIDE)

F4: REC PB P.C.BOARD (SD930:VEP83596B)(SD955A:VEP83596C)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC10	G4	IC350	J4	IP17	G1	TP323	K1	VR700	B2
IC11	G3	IC450	G2	P384	J1	TP455	F3	VR701	B2
IC12	F4	IC501	B2	P3001	H5	TP456	F3		
IC15	G4	IC503	C2	P3002	C5	TP457	G3		
IC18	F4	IC550	B3	P3010	F1	TP458	G3		
IC19	F4	IC551	C4	P3951	H1	TP459	G3		
IC20	F4	IC554	C3	TG20	A5	TP511	B1		
IC55	A4	IC610	D1	TG21	D1	TP512	B1		
IC151	D4	IC640	C1	TG22	K4	TP550	C1		
IC154	C4	IC706	B2	TP150	C1	TP700	B2		
IC180	D3	IC752	B4	TP151	E3	TP880	J1		
IC210	C1	IC753	B4	TP180	D1	TP881	J1		
IC240	E1	IC770	E4	TP211	C1	TP886	K1		
IC260	E2	IC774	E4	TP212	C1	TP920	J2		
IC300	J2	IP16	G1	TP266	F1	TP921	H1		



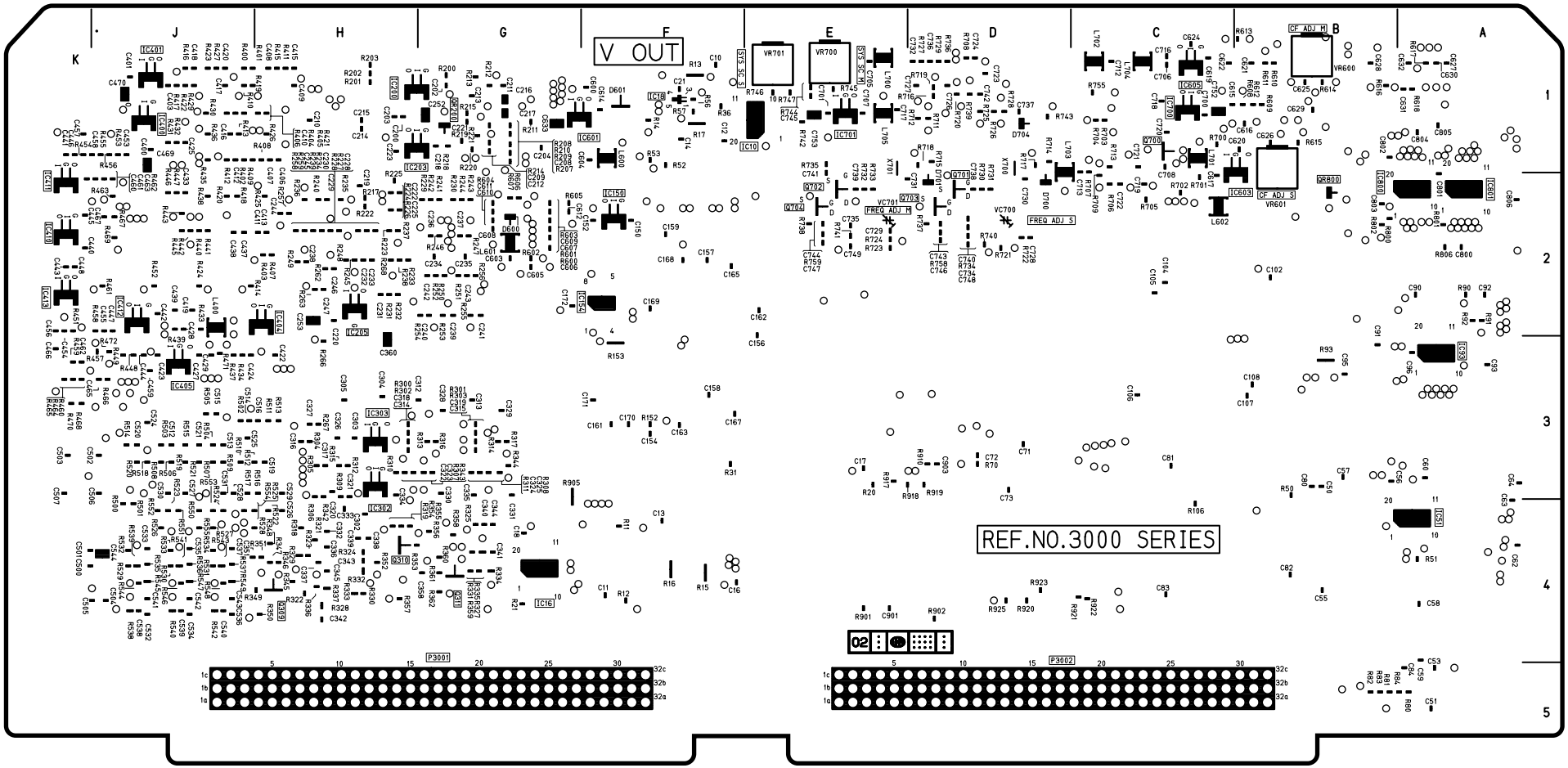
(COMPONENT SIDE)

F5: V_OUT P.C.BOARD (SD930:VEP83597B)(SD955A:VEP83597C)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC10	E1	IC404	H2	P3002	D5	VR601	B1
IC16	G4	IC405	J3	Q309	H4	VR700	E1
IC18	F1	IC410	K2	Q310	H4	VR701	E1
IC51	A4	IC411	K2	Q311	G4		
IC93	A3	IC412	J2	Q700	C1		
IC150	F2	IC413	K2	Q701	D2		
IC154	F2	IC601	G1	Q702	E2		
IC200	H1	IC603	B1	Q703	D2		
IC203	H1	IC605	C1	Q704	E2		
IC205	H2	IC700	C1	QR200	G1		
IC302	H3	IC701	E1	QR800	B2		
IC303	H3	IC800	A2	VC700	D2		
IC400	J1	IC801	A2	VC701	E2		
IC401	J1	P3001	G5	VR600	B1		

CBA-11

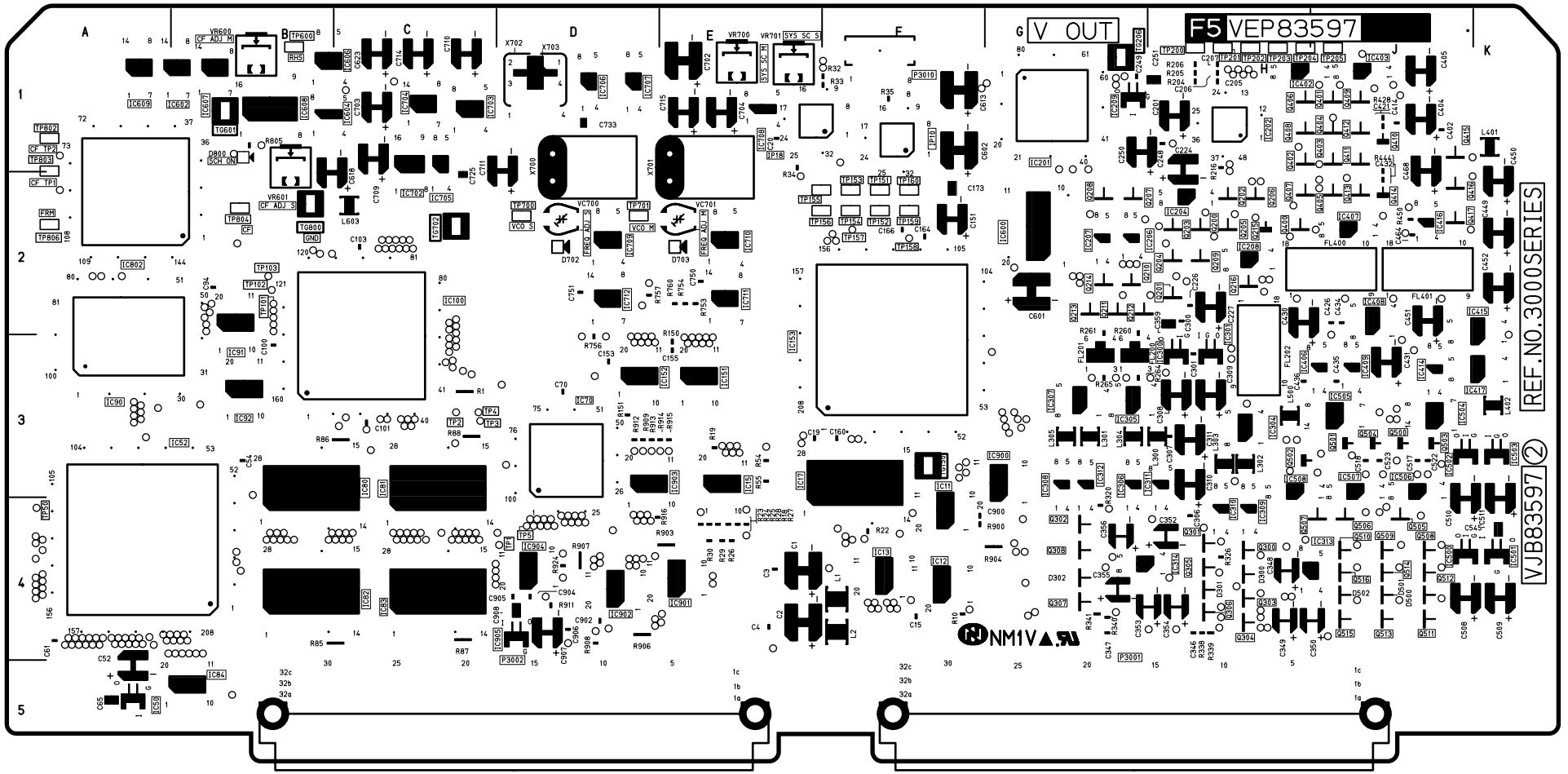


F5: V_OUT P.C.BOARD (SD930:VEP83597B)(SD955A:VEP83597C)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC11	F4	IC91	B2	IC300	H3	IC403	J1	IC505	J3	IC705	C1	IC905	D4	Q209	H2	Q306	H4	Q411	J1	Q507	J4	TG800	B2	TP155	E2	TP701	D2
IC12	F4	IC92	B3	IC301	H3	IC406	J3	IC506	J3	IC706	D1	IP10	F1	Q210	G2	Q307	G4	Q412	J1	Q508	J4	TP1	D4	TP156	E2	TP802	A1
IC13	F4	IC100	C2	IC304	H3	IC407	J2	IC507	J3	IC707	D1	IP18	E1	Q211	G2	Q308	G4	Q413	J2	Q509	J4	TP2	C3	TP157	F2	TP803	A1
IC15	E3	IC151	E3	IC305	G3	IC408	J2	IC508	H3	IC708	E1	P3001	G5	Q212	G2	Q400	H2	Q414	J2	Q510	J4	TP3	C3	TP158	F2	TP804	B2
IC17	F3	IC152	D3	IC306	G3	IC409	J3	IC600	G2	IC709	D2	P3002	D5	Q213	G2	Q401	J1	Q415	J1	Q511	J4	TP4	C3	TP159	F2	TP806	A2
IC50	A5	IC153	F3	IC307	G3	IC414	J3	IC602	A1	IC710	E2	P3010	F1	Q214	G2	Q402	H1	Q416	J2	Q512	J4	TP5	D4	TP160	F2	VC700	D1
IC52	A4	IC201	G1	IC308	G3	IC415	K2	IC604	B1	IC711	E2	Q200	H2	Q215	H2	Q403	J1	Q417	J2	Q513	J4	TP50	A4	TP200	H1	VC701	E1
IC70	D3	IC202	H1	IC309	H4	IC416	J2	IC606	B1	IC712	D2	Q201	H2	Q216	H2	Q404	J1	Q500	J3	Q514	J4	TP101	B2	TP201	H1	VR600	B1
IC80	B3	IC204	H2	IC310	H4	IC417	K3	IC607	B1	IC802	A2	Q202	H2	Q300	H4	Q405	J2	Q501	J3	Q515	J4	TP102	B2	TP202	H1	VR601	B1
IC81	C3	IC206	G2	IC311	H3	IC500	J4	IC608	B1	IC900	G3	Q203	H2	Q301	H4	Q406	H1	Q502	H3	Q516	J4	TP103	B2	TP203	H1	VR700	E1
IC82	B4	IC207	G2	IC312	G3	IC501	K4	IC609	A1	IC901	E4	Q204	H2	Q302	G4	Q407	H2	Q503	J3	TG150	F3	TP151	F2	TP204	H1	VR701	E1
IC83	C4	IC207	G2	IC313	J4	IC502	J3	IC702	C1	IC902	D4	Q205	H2	Q303	H4	Q408	H1	Q504	J3	TG206	G1	TP152	F2	TP205	J1		
IC84	B5	IC208	H2	IC314	H4	IC503	K3	IC703	C1	IC903	D3	Q206	H2	Q304	H4	Q409	J1	Q505	J4	TG601	B1	TP153	F2	TP600	B1		
IC90	A3	IC209	G1	IC402	H1	IC504	J3	IC704	C1	IC904	D4	Q208	G2	Q305	H4	Q410	J1	Q506	J4	TG702	C2	TP154	F2	TP700	D2		

CBA-12



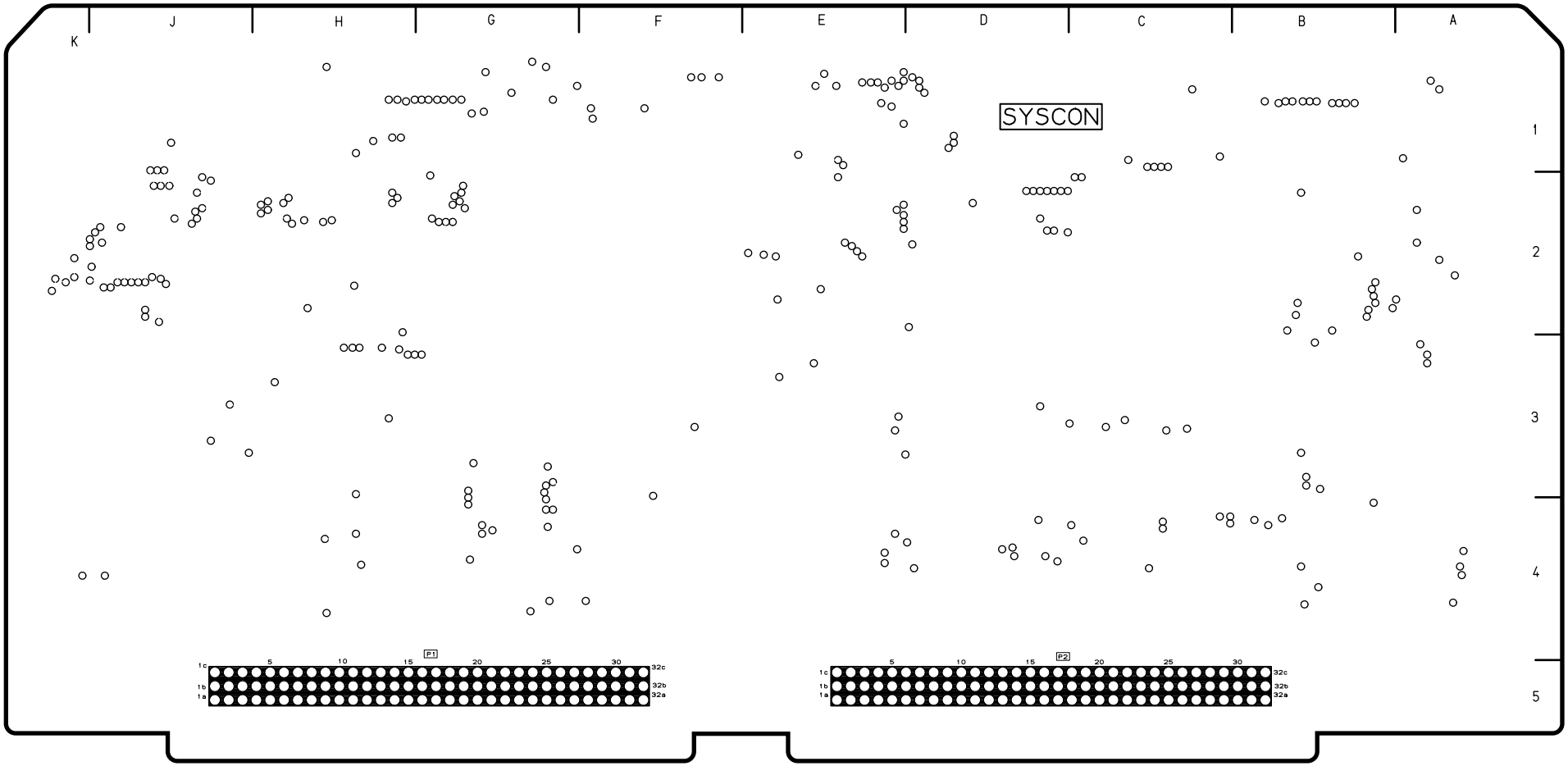
(COMPONENT SIDE)

F6: SYSCON P.C.BOARD (SD930:VEP86326B)(SD955A:VEP86326C)

FOIL SIDE

REF	LOC
P1	G5
P2	D5

CBA-13

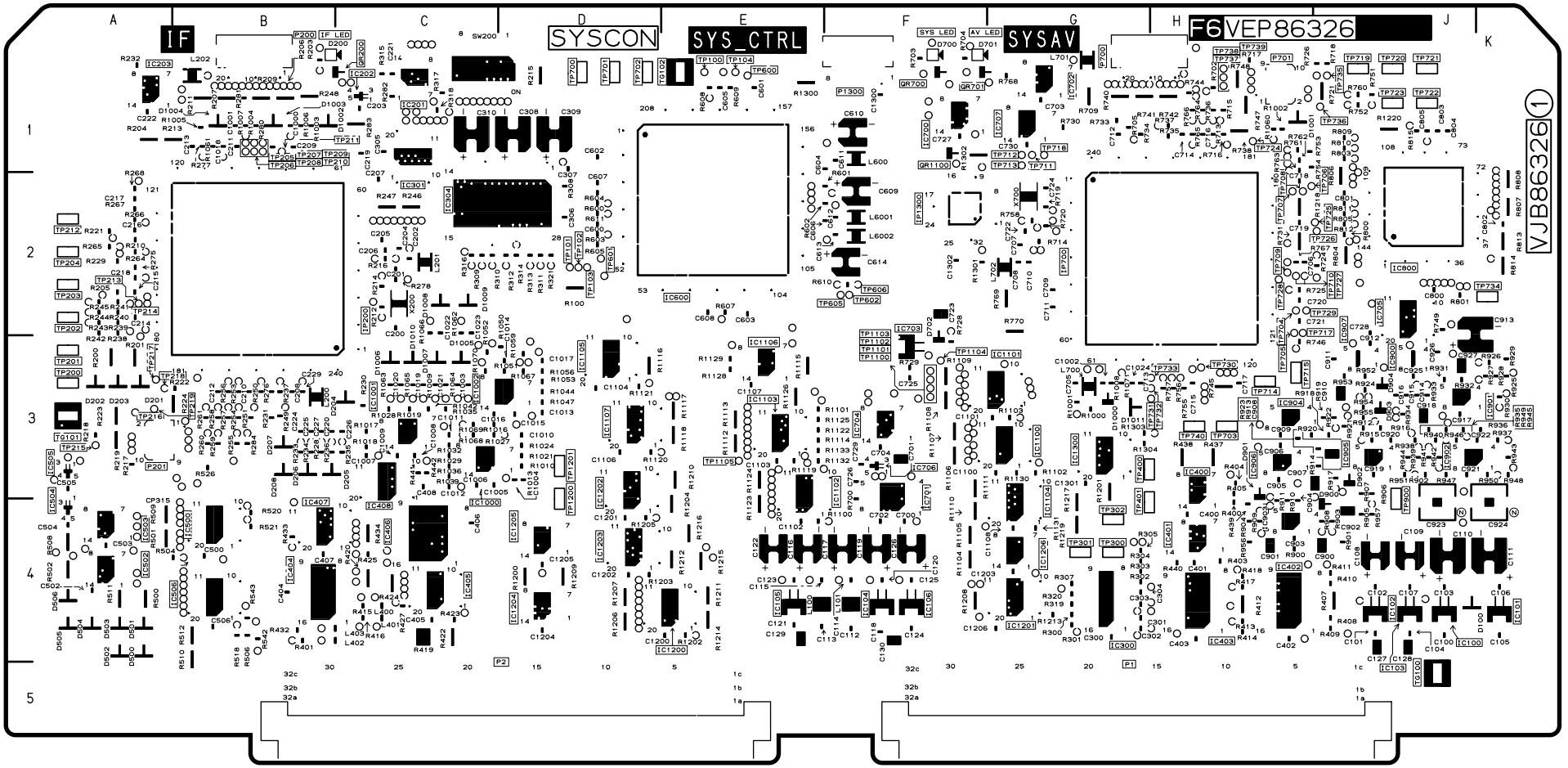


(FOIL SIDE)

F6: SYSCON P.C.BOARD (SD930:VEP86326B)(SD955A:VEP86326C)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC100	J4	IC300	G4	IC500	B4	IC705	J2	IC1002	D3	IC1206	D4	QR700	F1	TP202	A2	TP215	A3	TP605	F2	TP711	G1	TP724	H1	TP736	J1	TP1200	D3
IC101	K4	IC301	C1	IC502	A4	IC706	F3	IC1100	G3	IC1300	G3	QR701	F1	TP203	A2	TP216	A3	TP606	F2	TP712	G1	TP725	J2	TP737	H1	TP1201	D3
IC102	J4	IC304	C2	IC503	A4	IC707	G1	IC1101	G3	IP200	B2	QR1100	F1	TP204	A2	TP217	A3	TP700	D2	TP713	G1	TP726	J2	TP738	H1		
IC103	J4	IC400	H3	IC504	A4	IC800	J2	IC1102	E3	IP700	H2	TG100	J5	TP205	B1	TP218	A3	TP701	D2	TP714	H3	TP727	H2	TP739	H1		
IC104	F4	IC401	H4	IC505	A3	IC900	J3	IC1103	E3	IP1300	F2	TG101	A3	TP206	B1	TP219	A3	TP702	D2	TP715	H3	TP728	H2	TP740	H3		
IC104	G4	IC402	H4	IC506	B4	IC901	K3	IC1105	D3	P1	G5	TG102	E1	TP207	B1	TP300	G4	TP703	H3	TP717	H2	TP729	H2	TP900	J3		
IC105	E4	IC403	H4	IC600	E2	IC904	H3	IC1106	E3	P2	C5	TP100	E1	TP208	B1	TP301	G4	TP704	H2	TP718	G1	TP730	H3	TP1100	F3		
IC106	F4	IC404	B4	IC700	F1	IC905	J3	IC1200	E4	P200	B1	TP101	D2	TP209	B1	TP302	G4	TP705	H3	TP719	J1	TP731	H3	TP1101	F3		
IC201	C1	IC405	C3	IC701	F3	IC906	H3	IC1201	G4	P700	G1	TP102	D2	TP210	B1	TP400	G3	TP705	J2	TP720	J1	TP732	H3	TP1102	F3		
IC202	C1	IC406	C3	IC702	G1	IC907	J3	IC1202	D3	P701	H1	TP104	E1	TP211	B1	TP401	G4	TP707	H2	TP721	J1	TP733	H3	TP1103	F3		
IC203	A1	IC407	B4	IC703	F3	IC1000	C3	IC1203	D4	P1300	F1	TP200	A3	TP213	A2	TP600	E1	TP708	H2	TP722	J1	TP734	K3	TP1104	F3		
IC206	G4	IC408	C3	IC704	F3	IC1001	C3	IC1204	D4	QR200	C1	TP201	A3	TP214	A2	TP602	F2	TP709	H2	TP723	J1	TP735	J1	TP1105	E3		



CBA-14

(COMPONENT SIDE)

F7: SERVO P.C.BOARD (SD930:VEP82246B)(SD955A:VEP82246C)

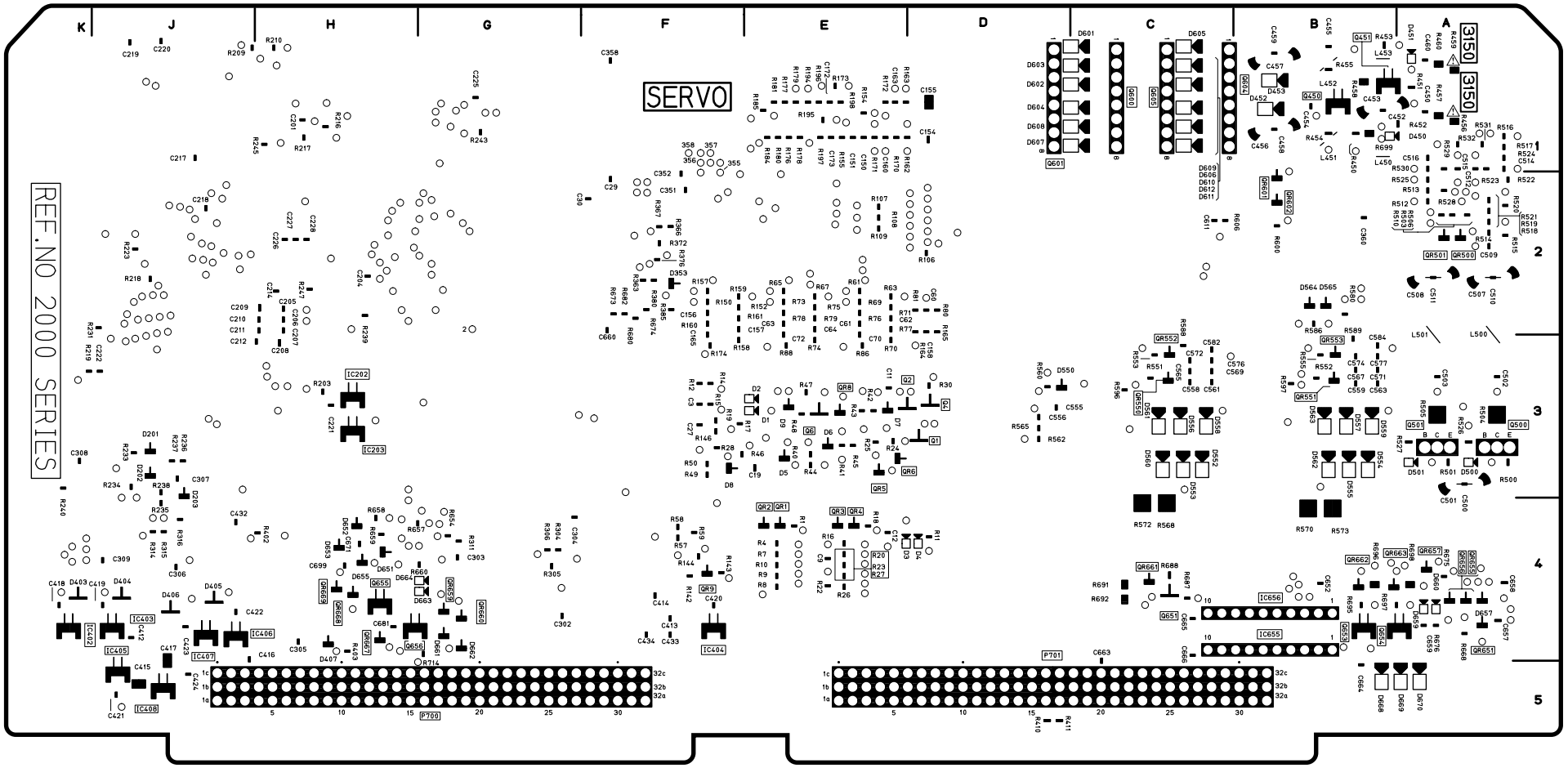
FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC202	H3	P700	G5	Q601	D1	QR4	E4	QR601	B2	QR667	H4
IC203	H3	P701	D5	Q604	C1	QR5	E3	QR602	B2	QR668	H4
IC402	K4	Q1	D3	Q605	C1	QR6	E3	QR651	A4	QR669	H4
IC403	J4	Q2	D3	Q651	C4	QR8	E3	QR655	A4		
IC404	F4	Q4	D3	Q653	B4	QR9	F4	QR656	A4		
IC405	J5	Q6	E3	Q654	A4	QR500	A2	QR657	A4		
IC406	J4	Q450	B1	Q655	H4	QR501	A2	QR659	G4		
IC407	J4	Q451	B1	Q656	H4	QR550	C3	QR660	G4		
IC408	J5	Q500	A3	QR1	E4	QR551	B3	QR661	C4		
IC655	B4	Q501	A3	QR2	E4	QR552	C3	QR662	B4		
IC656	B4	Q600	C1	QR3	E4	QR553	B3	QR663	B4		

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

⚠ 警告 ⚠印の部品は安全上重要な部品です。
交換するときは、安全及び性能維持のため必ず指定の部品をご使用ください。

CBA-15



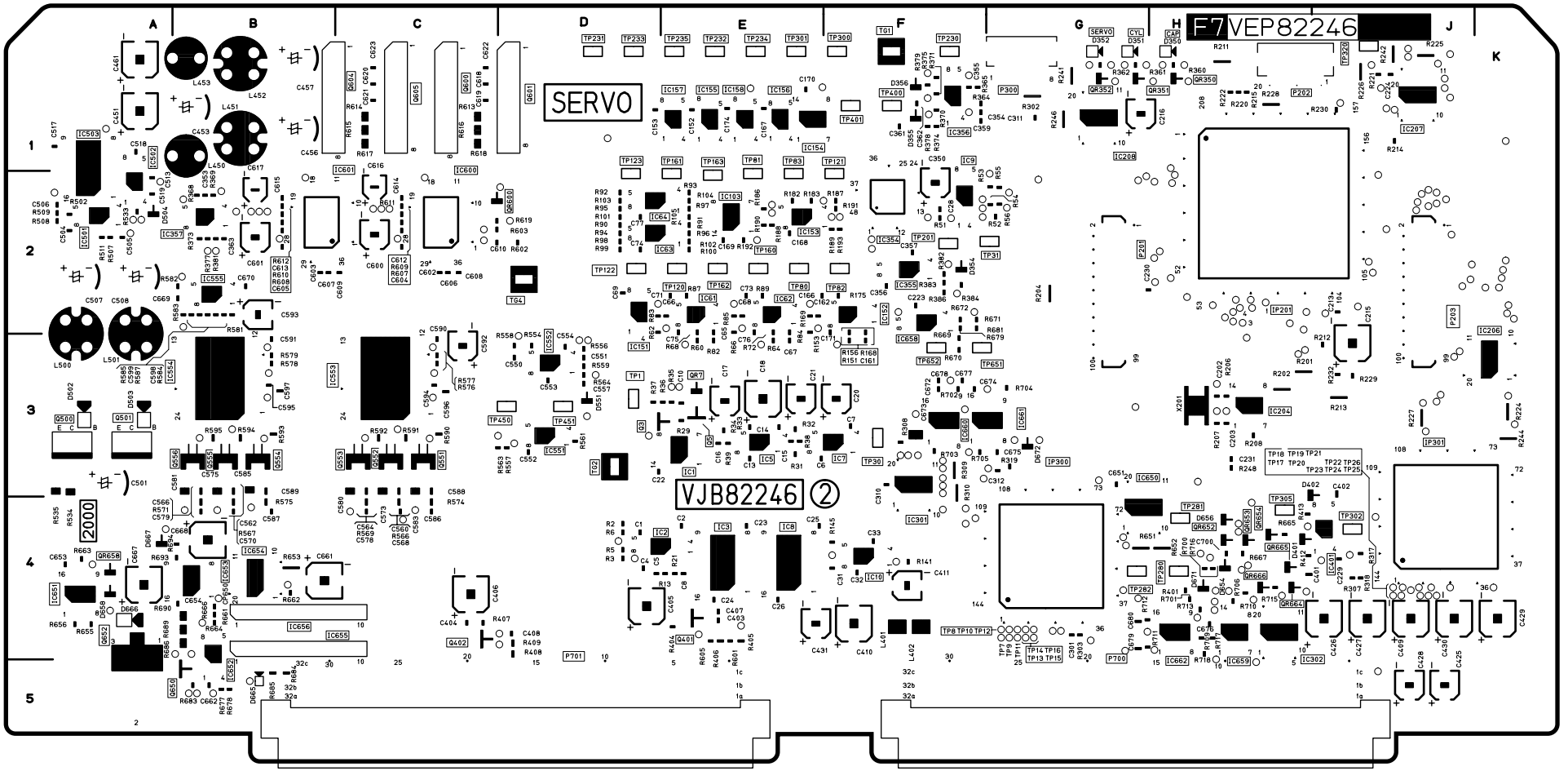
(FOIL SIDE)

F7: SERVO P.C.BOARD (SD930:VEP82246B)(SD955A:VEP82246C)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	E3	IC103	E2	IC207	J1	IC502	A2	IC652	B4	IP300	G4	Q402	C4	Q604	B1	QR654	H4	TP12	G4	TP23	J4	TP121	F2	TP233	D1	TP400	F1
IC2	D4	IC151	D2	IC208	G1	IC503	A1	IC653	B4	IP301	J4	Q500	A3	Q605	C1	QR658	A4	TP13	G4	TP24	J4	TP122	D2	TP234	D1	TP401	F1
IC3	E4	IC152	F2	IC301	F3	IC551	D3	IC654	B4	P201	G2	Q501	A3	Q650	B5	QR664	H4	TP14	G4	TP25	J4	TP123	D2	TP235	D1	TP450	D3
IC5	E3	IC153	E2	IC302	H4	IC552	D3	IC655	B4	P202	H1	Q551	C3	Q652	A4	QR665	H4	TP15	G4	TP26	J4	TP160	E2	TP280	H4	TP451	D3
IC7	F3	IC154	D1	IC354	F2	IC553	C3	IC656	B4	P203	J2	Q552	C3	QR7	E3	QR666	H4	TP16	G4	TP30	F3	TP161	E2	TP281	H4	TP651	F3
IC8	E4	IC155	D1	IC355	F2	IC554	B3	IC658	F2	P300	G1	Q553	C3	QR350	H1	TG1	F1	TP17	J4	TP31	G2	TP162	E2	TP282	G4	TP652	F3
IC9	F2	IC156	D1	IC356	F1	IC555	B2	IC659	H4	P700	G5	Q554	B3	QR351	G1	TG2	D3	TP18	J4	TP80	E2	TP163	E2	TP300	F1		
IC10	F4	IC157	D1	IC357	A2	IC600	C2	IC660	F3	P701	D5	Q555	B3	QR352	G1	TG4	D2	TP19	J4	TP81	E2	TP201	F2	TP301	D1		
IC61	E2	IC158	D1	IC364	D2	IC601	B2	IC661	G3	Q3	D3	Q556	B3	QR600	C2	TP1	D3	TP20	J4	TP82	F2	TP230	F1	TP302	J4		
IC62	E2	IC204	H3	IC401	J4	IC650	G4	IC662	H4	Q5	E3	Q600	C1	QR652	H4	TP8	G4	TP21	J4	TP83	E2	TP231	D1	TP305	H4		
IC63	D2	IC206	K3	IC501	A2	IC651	A4	IP201	H2	Q401	E4	Q601	D1	QR653	H4	TP10	G4	TP22	J4	TP120	E2	TP232	D1	TP320	J1		

CBA-16

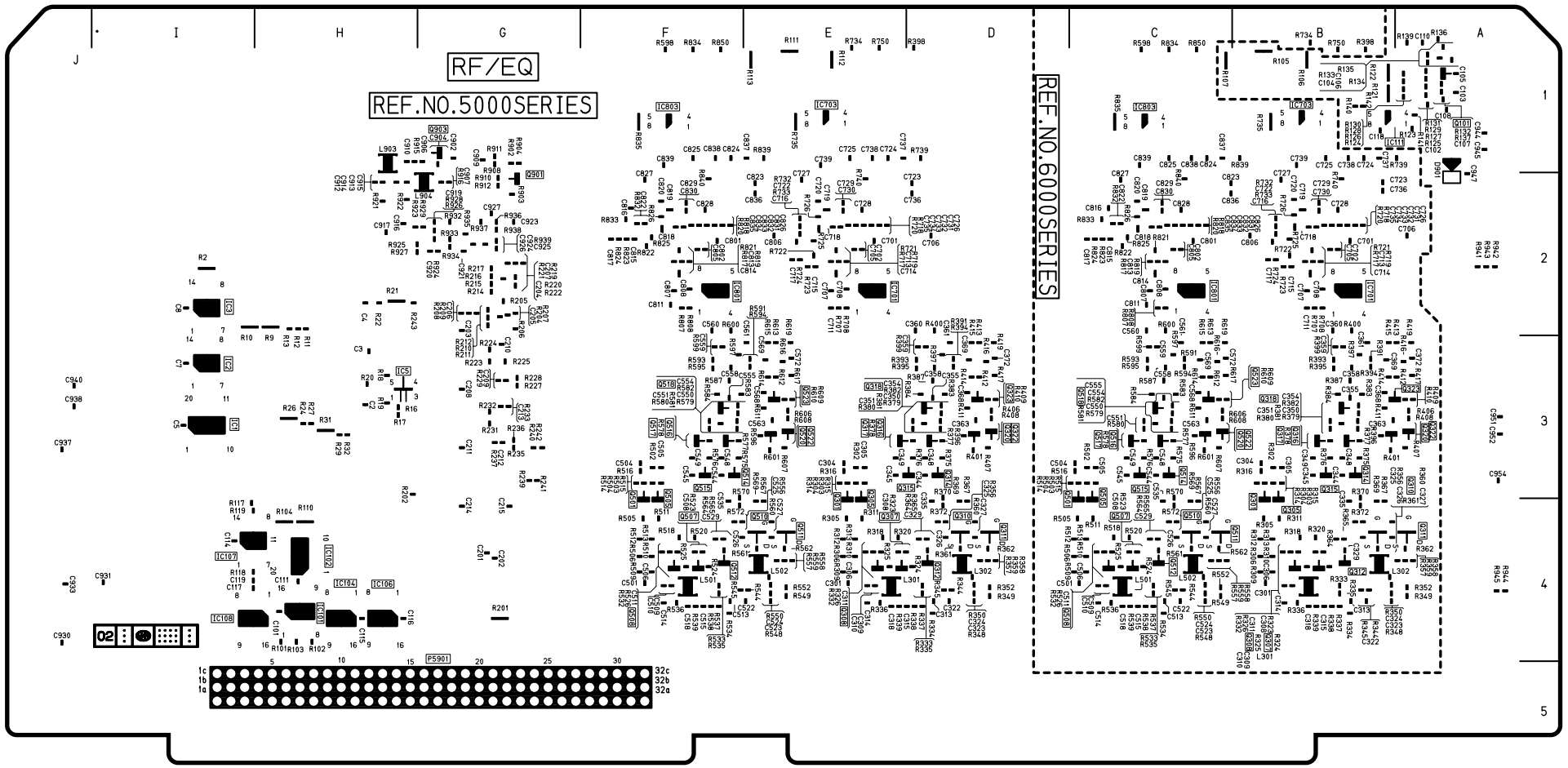


(COMPONENT SIDE)

F8: RF/EQ P.C.BOARD (VEP85207A)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC5001	I3	IC6701	B2	Q5316	D3	Q5516	F3	Q6314	B3	Q6514	C3
IC5002	I3	IC6703	B1	Q5317	E3	Q5517	F3	Q6315	B3	Q6515	C3
IC5003	I2	IC6801	C2	Q5318	D3	Q5518	F3	Q6316	B3	Q6516	C3
IC5005	H3	IC6803	C1	Q5320	D3	Q5520	E3	Q6317	B3	Q6517	C3
IC5101	H4	P5901	G5	Q5322	D3	Q5522	E3	Q6318	B3	Q6518	C3
IC5102	H4	Q5101	A1	Q5323	D3	Q5523	E3	Q6320	B3	Q6520	C3
IC5104	H4	Q5301	E3	Q5501	F3	Q5901	G2	Q6322	A3	Q6522	C3
IC5106	H4	Q5305	E3	Q5505	F3	Q5903	G1	Q6323	B3	Q6523	C3
IC5107	I4	Q5307	E4	Q5507	F4	Q6301	B3	Q6501	C3		
IC5108	I4	Q5308	E4	Q5508	F4	Q6305	B3	Q6505	C3		
IC5111	B1	Q5310	D4	Q5510	E4	Q6307	B4	Q6507	C4		
IC5701	E2	Q5311	D4	Q5511	E4	Q6308	B4	Q6508	C4		
IC5703	E1	Q5312	D4	Q5512	F4	Q6310	B4	Q6510	C4		
IC5801	F2	Q5314	D3	Q5514	F3	Q6311	A4	Q6511	C4		
IC5803	F1	Q5315	D3	Q5515	F3	Q6312	B4	Q6512	C4		



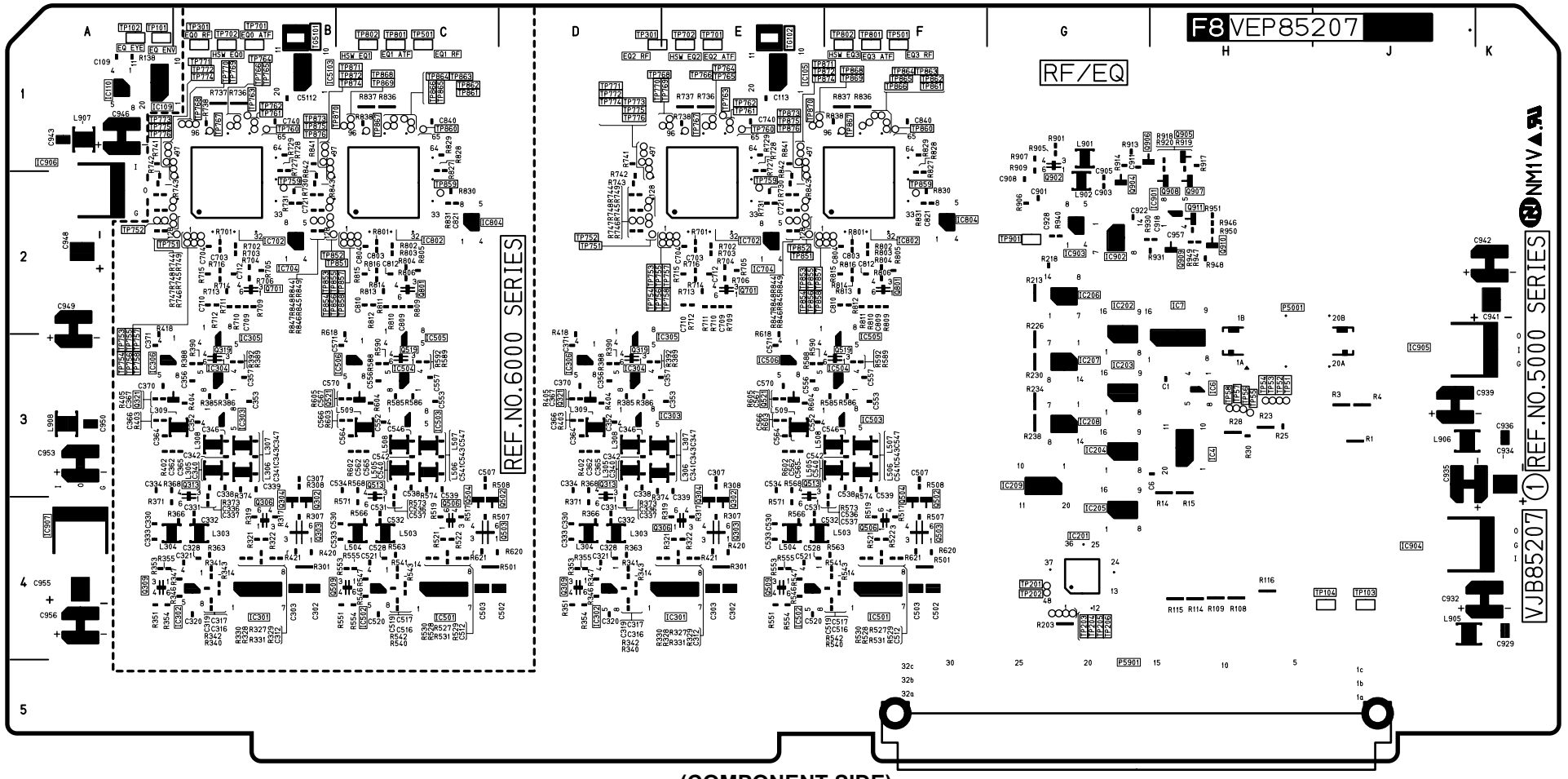
(FOIL SIDE)

F8: RF/EQ P.C.BOARD (VEP85207A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC5004	H3	IC5209	G3	IC5802	F2	IC6501	C4	Q5304	E4	Q5701	E2	Q6309	A4	TG5102	E1	TP5203	G4	TP5758	E2	TP5774	D1	TP5862	F1	TP5901	G2	TP6760	B1	TP6776	B2	TP6865	C1
IC5006	H3	IC5301	E4	IC5804	F2	IC6502	C4	Q5306	E4	Q5801	F2	Q6313	B3	TP5051	H3	TP5204	G4	TP5759	E2	TP5775	D1	TP5863	F1	TP5961	F1	TP6761	B1	TP6801	C1	TP6866	C1
IC5007	H3	IC5302	D4	IC5901	H2	IC6503	C3	Q5309	D4	Q5902	G1	Q6319	B3	TP5052	H3	TP5205	G4	TP5760	E1	TP5776	D2	TP5864	F1	TP6301	B1	TP6763	B1	TP6802	C1	TP6867	C1
IC5103	B1	IC5303	D3	IC5902	G2	IC6504	C3	Q5313	D3	Q5904	G2	Q6321	A3	TP5053	H3	TP5206	G4	TP5761	E1	TP5801	F1	TP5865	F1	TP6501	C1	TP6764	B1	TP6851	B2	TP6868	C1
IC5105	E1	IC5304	D3	IC5903	G2	IC6505	C3	Q5319	D3	Q5905	H1	Q6502	C4	TP5054	H3	TP5301	D1	TP5762	E1	TP5802	F1	TP5866	F1	TP6701	B1	TP6765	B1	TP6852	B2	TP6869	C1
IC5109	A1	IC5305	D3	IC5904	J4	IC6506	C3	Q5321	D3	Q5906	G1	Q6503	C4	TP5055	H3	TP5501	F1	TP5763	E1	TP5851	E2	TP5867	F1	TP6702	B1	TP6766	B1	TP6853	C2	TP6870	C1
IC5110	A1	IC5306	D3	IC5905	J3	IC6702	B2	Q5502	F4	Q5907	H2	Q6504	C4	TP5056	H3	TP5701	E1	TP5764	E1	TP5852	E2	TP5868	E1	TP6751	B2	TP6767	B1	TP6854	C2	TP6871	B1
IC5201	G4	IC5501	F4	IC5906	A2	IC6704	B2	Q5503	F4	Q5908	H2	Q6506	C4	TP5057	H3	TP5702	E1	TP5765	E1	TP5853	E2	TP5869	E1	TP6752	B2	TP6768	B1	TP6855	C2	TP6872	B1
IC5202	G2	IC5502	E4	IC5907	A4	IC6802	C2	Q5504	F4	Q5909	H2	Q6509	C4	TP5058	H3	TP5751	D2	TP5766	E1	TP5854	E2	TP5870	E1	TP6753	B2	TP6769	B1	TP6856	C2	TP6873	B1
IC5203	G3	IC5503	F3	IC6301	B4	IC6804	C2	Q5506	F4	Q5910	H2	Q6513	C3	TP5101	A1	TP5752	D2	TP5767	E1	TP5855	F2	TP5871	E1	TP6754	B2	TP6770	B1	TP6857	C2	TP6874	B1
IC5204	G3	IC5504	F3	IC6302	B4	P5001	H3	Q5509	E4	Q5911	H2	Q6519	C3	TP5102	A1	TP5753	E2	TP5769	E1	TP5856	F2	TP5872	E1	TP6755	B2	TP6771	A1	TP6858	C2	TP6875	B1
IC5205	G4	IC5505	F3	IC6303	B3	P5768	E1	Q5513	E3	Q6302	B4	Q6521	C3	TP5103	J4	TP5754	E2	TP5770	E1	TP5857	F2	TP5873	E1	TP6756	B2	TP6772	A1	TP6859	C2	TP6876	B2
IC5206	G2	IC5506	E3	IC6304	B3	P5901	G5	Q5519	F3	Q6303	B4	Q6701	B2	TP5104	J4	TP5755	E2	TP5771	D1	TP5858	F2	TP5874	E1	TP6757	B2	TP6773	A1	TP6860	C1		
IC5207	G3	IC5702	E2	IC6305	B3	P6762	B1	Q5521	E3	Q6304	B4	Q6801	C2	TP5201	G4	TP5756	E2	TP5772	D1	TP5859	F2	TP5875	E1	TP6758	B2	TP6774	A1	TP6861	C1		
IC5208	G3	IC5704	E2	IC6306	A3	Q5303	E4	Q5602	E4	Q6306	B4	TG5101	B1	TP5202	G4	TP5757	E2	TP5773	D1	TP5860	F1	TP5876	E2	TP6759	B2	TP6775	A1	TP6862	C1		

CBA-18

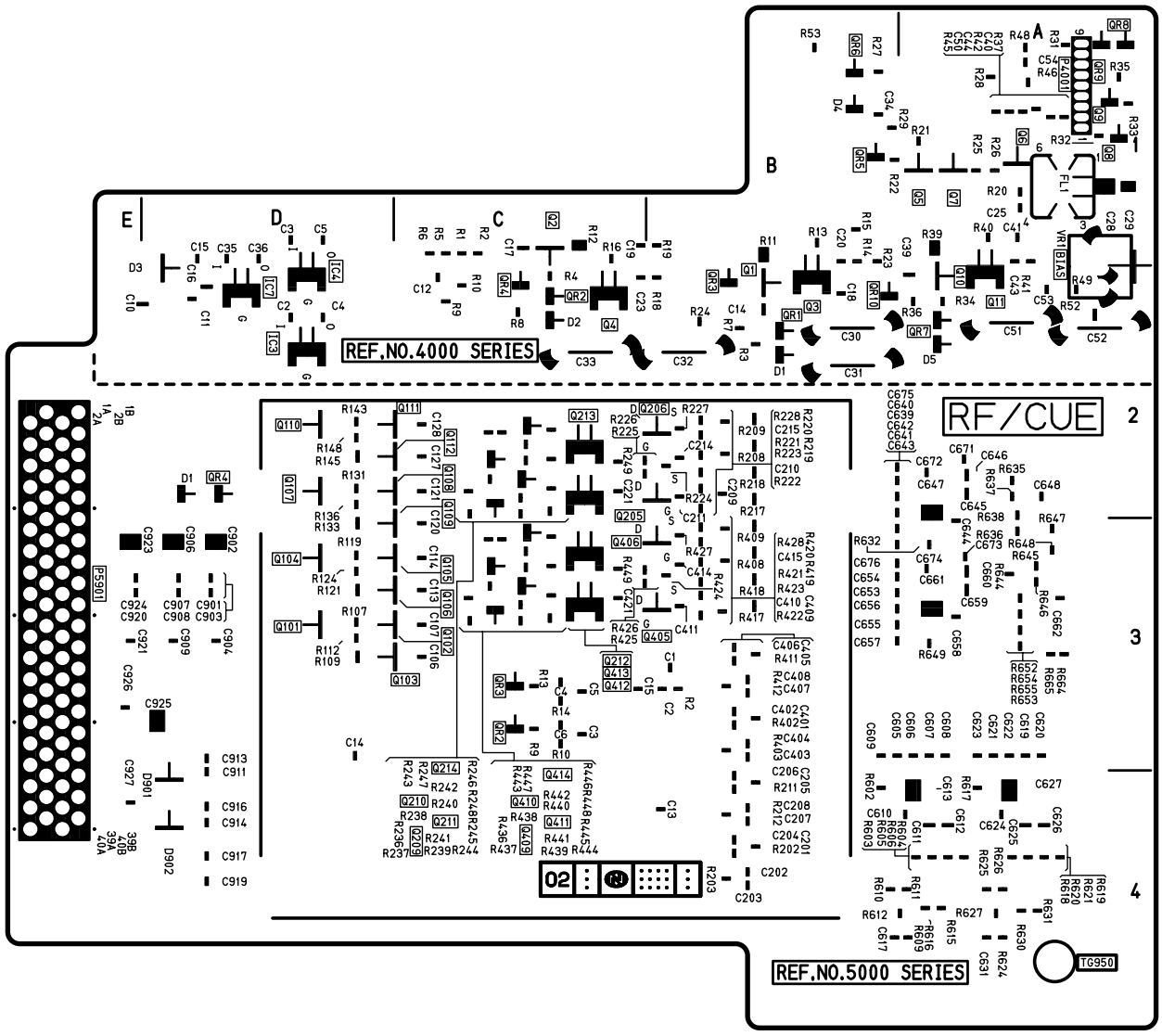


(COMPONENT SIDE)

RF/CUE P.C.BOARD (VEP85208A)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC
IC4003	D2	Q5107	D2	QR4001	B2
IC4004	D2	Q5108	C2	QR4002	C2
IC4007	D2	Q5109	C3	QR4003	B2
P4001	A1	Q5110	D2	QR4004	C2
P5901	E3	Q5111	C2	QR4005	B1
Q4001	B2	Q5112	C2	QR4006	B1
Q4002	C1	Q5203	B2	QR4007	A2
Q4003	B2	Q5205	B2	QR4008	A1
Q4004	C2	Q5209	C2	QR4009	A1
Q4005	A1	Q5210	C2	QR4010	B2
Q4006	A1	Q5211	C2	QR5002	C3
Q4007	A1	Q5212	C2	QR5003	C3
Q4008	A1	Q5213	C2	QR5004	D2
Q4009	A1	Q5214	C2	TG5950	A4
Q4010	A2	Q5405	B3	VR4001	A1
Q4011	A2	Q5406	B3		
Q5101	D3	Q5409	C3		
Q5102	C3	Q5410	C3		
Q5103	C3	Q5411	C3		
Q5104	D3	Q5412	C3		
Q5105	C3	Q5413	C3		
Q5106	C3	Q5414	C3		

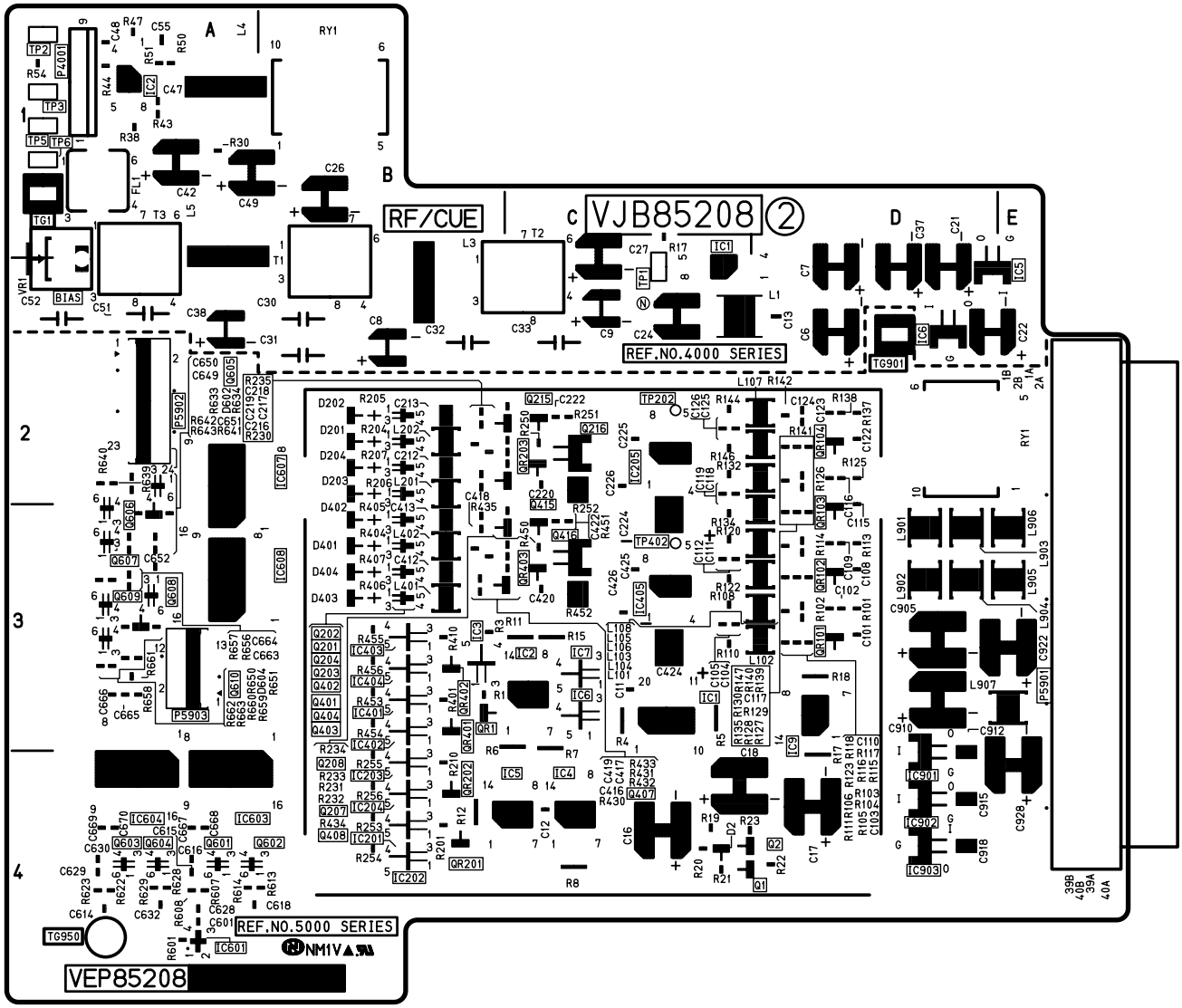


(FOIL SIDE)

RF/CUE P.C.BOARD (VEP85208A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4001	C2	IC5601	A4	Q5401	B3	QR5104	D2
IC4002	A1	IC5603	A4	Q5402	B3	QR5201	B4
IC4005	D2	IC5604	A4	Q5403	B3	QR5202	B4
IC4006	D2	IC5607	A2	Q5404	B3	QR5203	C2
IC5001	C3	IC5608	A3	Q5407	C3	QR5401	B3
IC5002	C3	IC5901	D4	Q5408	C3	QR5402	B3
IC5003	B3	IC5902	D4	Q5415	C3	QR5403	C3
IC5004	C4	IC5903	D4	Q5416	C3	TG4001	A1
IC5005	C4	P4001	A1	Q5601	A4	TG4901	D2
IC5006	C3	P5901	E3	Q5602	A4	TG5950	A4
IC5007	C3	P5902	A2	Q5603	A4	TP4001	C2
IC5009	D3	P5903	A3	Q5604	A4	TP4002	A1
IC5201	B4	Q5001	C4	Q5605	A2	TP4003	A1
IC5202	B4	Q5002	C4	Q5606	A3	TP4005	A1
IC5203	B4	Q5201	B2	Q5607	A3	TP4006	A1
IC5204	B4	Q5202	B2	Q5608	A3	TP5202	C2
IC5205	C2	Q5203	B2	Q5609	A3	TP5402	C3
IC5401	B3	Q5204	B2	Q5610	A3	VR4001	A1
IC5402	B3	Q5207	C2	QR5001	B3		
IC5403	B3	Q5208	C2	QR5101	D3		
IC5404	B3	Q5215	C2	QR5102	D3		
IC5405	C3	Q5216	C2	QR5103	D3		



(COMPONENT SIDE)

FRONT P.C.BOARD (SD930: VEP86327A) (SD955A: VEP86327B)

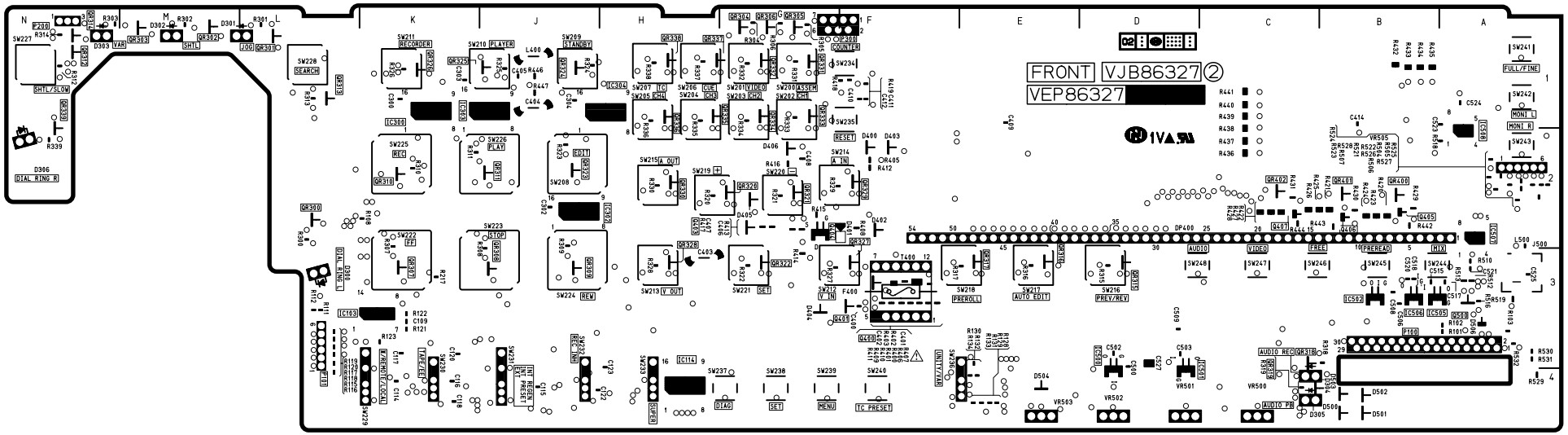
FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC103	K3	P300	F1	QR307	K3	QR323	J2	QR339	N1
IC114	H4	Q400	F3	QR308	J3	QR324	J1	QR400	B2
IC300	K1	Q401	F3	QR309	J3	QR325	J1	QR401	B2
IC302	J2	Q403	H2	QR310	K2	QR326	K1	QR402	C2
IC303	J1	Q404	G2	QR311	J2	QR327	F3	VR500	C4
IC304	H1	Q405	B2	QR312	N1	QR328	H3	VR501	D4
IC500	D3	Q406	B2	QR313	L1	QR329	F2	VR502	D4
IC501	D3	Q407	C2	QR314	N1	QR330	H2	VR503	E4
IC502	B3	Q500	A3	QR315	D3	QR331	G1	VR505	A2
IC505	B3	QR300	L2	QR316	E3	QR332	G1		
IC506	B3	QR301	L1	QR317	E3	QR333	G1		
IC507	A2	QR302	M1	QR318	C3	QR334	G1		
IC508	A2	QR303	M1	QR319	C4	QR335	H1		
P100	B3	QR304	G1	QR320	G2	QR336	H1		
P101	L3	QR305	G1	QR321	G2	QR337	H1		
P200	N1	QR306	G1	QR322	G3	QR338	H1		

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

⚠ 警 告 ⚠ 印の部品は安全上重要な部品です。
交換するときは、安全及び性能維持のため必ず指定の部品をご使用ください。

CBA-21



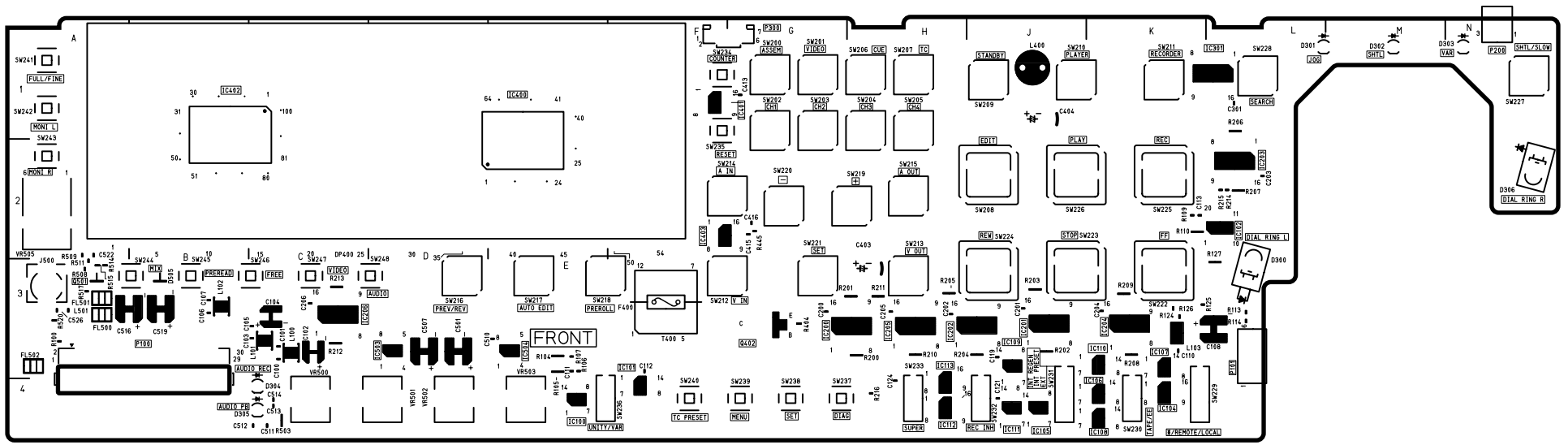
(FOIL SIDE)

FRONT P.C.BOARD (SD930: VEP86327A) (SD955A: VEP86327B)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC
IC100	E4	IC203	L2	VR500	C4
IC101	E4	IC204	K3	VR501	D4
IC102	L2	IC205	H3	VR502	D4
IC104	K4	IC206	C3	VR503	E4
IC105	J4	IC301	L1	VR505	A2
IC106	K4	IC400	E1		
IC107	K3	IC401	F1		
IC108	K4	IC402	B1		
IC109	J3	IC403	F2		
IC110	K3	IC503	D3		
IC111	J4	IC504	E3		
IC112	H4	P100	B4		
IC113	H4	P101	L3		
IC200	H3	P200	N1		
IC201	J3	P300	G1		
IC202	J3	Q402	G3		

CBA-22



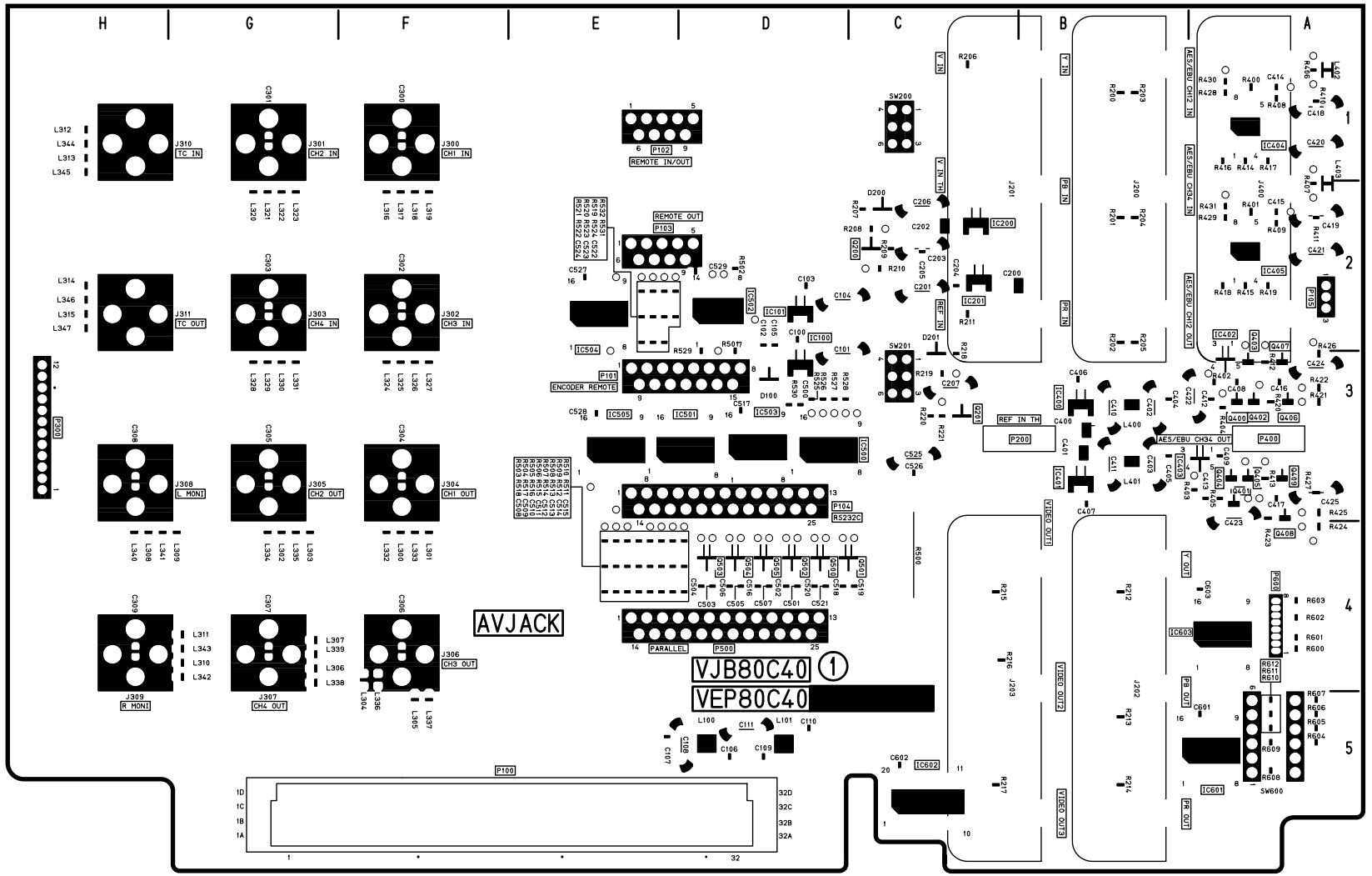
(COMPONENT SIDE)

AV JACK P.C.BOARD (VEP80C40A)

CBA-23

FOIL SIDE

REF	LOC
IC100	D3
IC101	D2
IC200	C2
IC201	C2
IC400	B3
IC401	B3
IC402	A3
IC403	A3
IC404	A1
IC405	A2
IC500	D3
IC501	D3
IC502	D2
IC503	D3
IC504	E2
IC505	E3
IC601	A5
IC602	C5
IC603	A4
P100	E5
P102	E1
P103	E2
P104	D3
P105	A2
P200	C3
P300	H3
P400	A3
P500	D4
P600	A4
Q200	C2
Q201	C3
Q400	A3
Q402	A3
Q403	A3
Q404	A3
Q405	A3
Q406	A3
Q407	A3
Q408	A3
Q409	A3
Q500	D4
Q501	C4
Q502	D4
Q503	D4
Q504	D4
Q505	D4



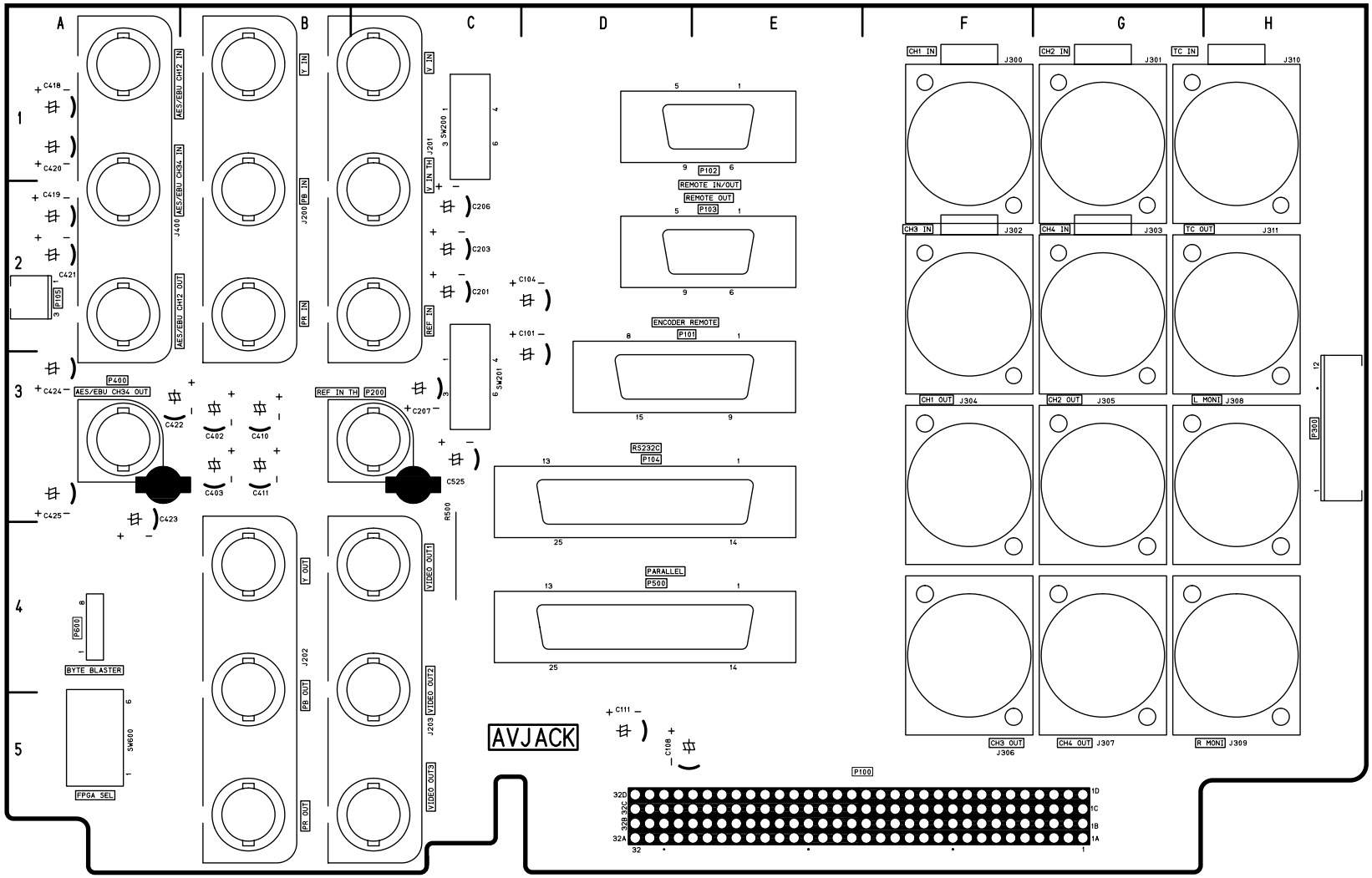
(FOIL SIDE)

AV JACK P.C.BOARD (VEP80C40A)

CBA-24

COMPONENT SIDE

REF	LOC
P100	E5
P101	D3
P102	E1
P103	E2
P104	D3
P105	A2
P200	C3
P300	H3
P400	A3
P500	D4
P600	A4



(COMPONENT SIDE)

POWER1 P.C.BOARD (VEP81221C)

FOIL SIDE

REF	LOC
IC1001	C3
IC1101	C4
IC1102	C4
IC1103	C3
IC1201	D2
IC1202	D3
IC1203	D4
IC1204	D4
IC1205	D1
P1103	A1
P1201	F2
P1202	F3
Q1001	B1
Q1002	C2
Q1003	C2
Q1004	C3
Q1101	B4
Q1102	B3
Q1103	B2
Q1201	D4
Q1202	D4
Q1203	D4
Q1204	B3
QR1001	C3
QR1002	C3
QR1101	B4
QR1102	C4
QR1103	C4
QR1104	C4
QR1105	C4
QR1201	D3
QR1202	D3
QR1203	F4
QR1204	F4
QR1205	F4
QR1206	F4
QR1207	F4

JAPAN ONLY

⚠ 警 告

感電注意

AC100V の加わっている活電部(充電部、活電部)に直接触れないでください。

+ 感電ややけどの可能性があります。

① ⚠ 警 告 ⚠ 印の部品は安全上重要な部品です。交換するときは、安全及び性能維持のため必ず指定の部品をご使用ください。

② ▭ 内は充電部です。AC100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

③ 部品交換時には、電源プラグをぬいてから行ってください。

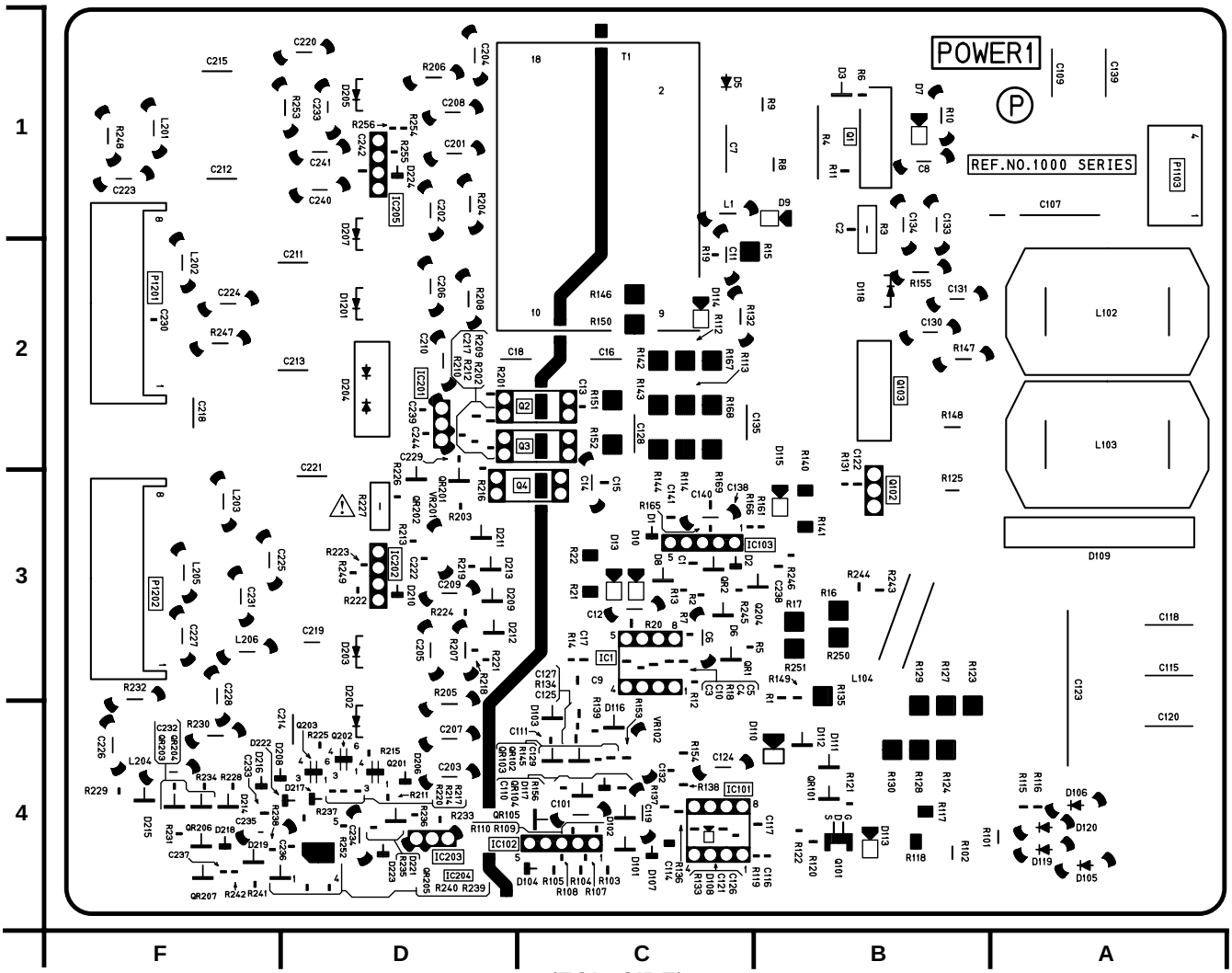
④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.



(FOIL SIDE)

POWER1 P.C.BOARD (VEP81221C)

COMPONENT SIDE

REF	LOC
IC1001	C3
IC1101	C4
IC1102	D4
IC1103	C3
IC1201	D2
IC1202	D3
IC1203	D4
IC1205	D1
P1103	A1
P1201	E2
P1202	E3
Q1001	B1
Q1002	D2
Q1003	D2
Q1004	D3
Q1102	B2
Q1103	B2
VR1102	C4
VR1201	D3

JAPAN ONLY

⚠ 警 告	
感電注意	AC100V の加わっている活電部(充電部、活電部)に直接触れないでください。 + 感電ややけどの可能性があります。

① ⚠ 警 告 ⚠ 印の部品は安全上重要な部品です。交換するときは、安全及び性能維持のため必ず指定の部品をご使用ください。

② ▭ 内は充電部です。AC100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

③ 部品交換時には、電源プラグをぬいてから行ってください。

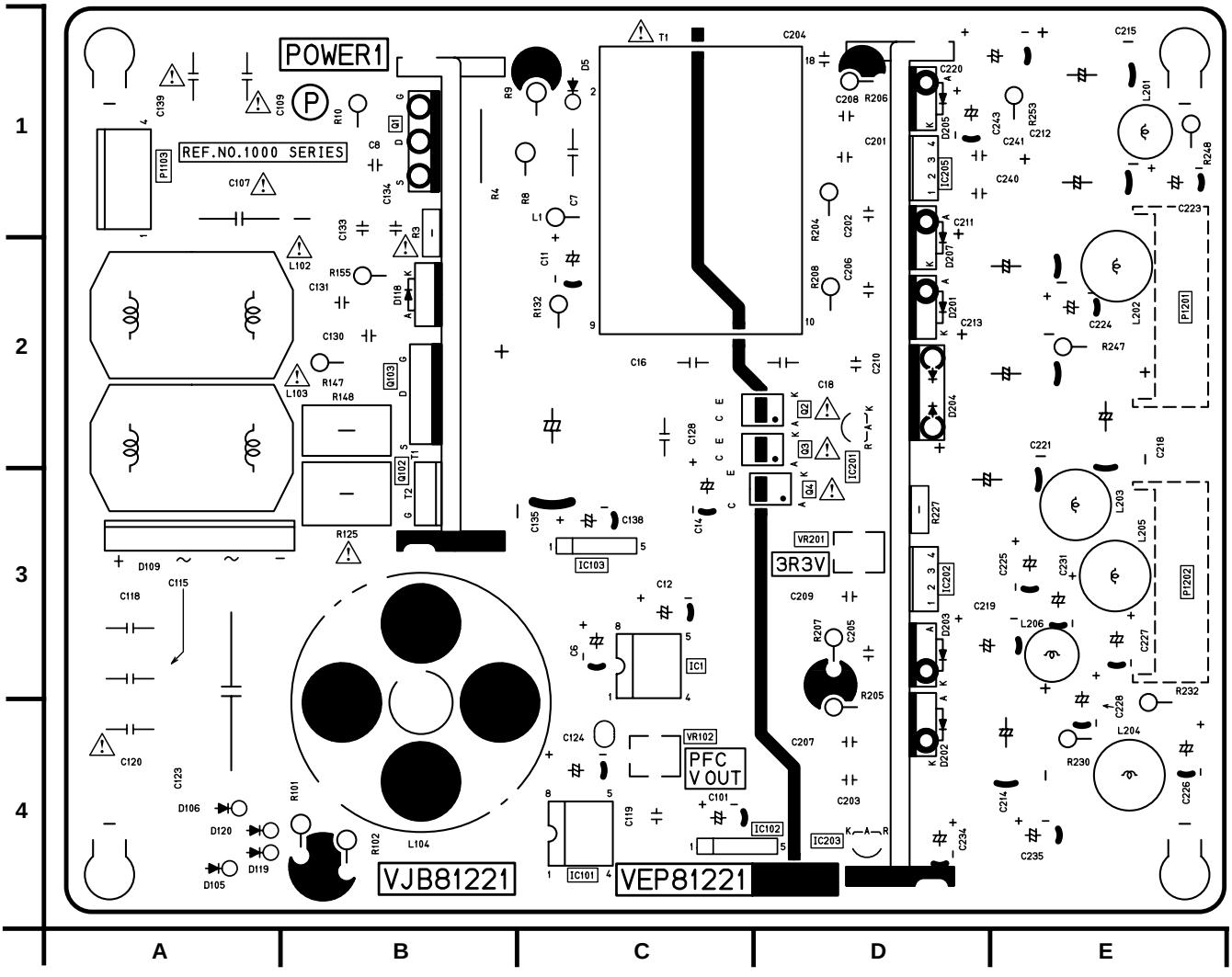
④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

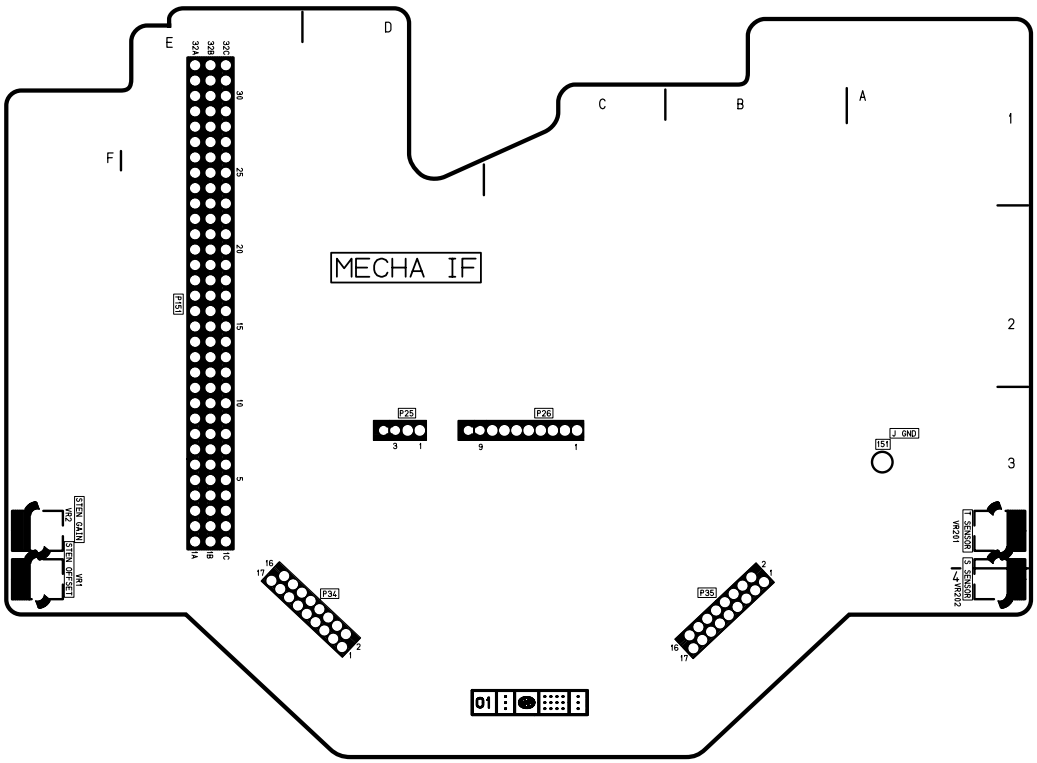


(COMPONENT SIDE)

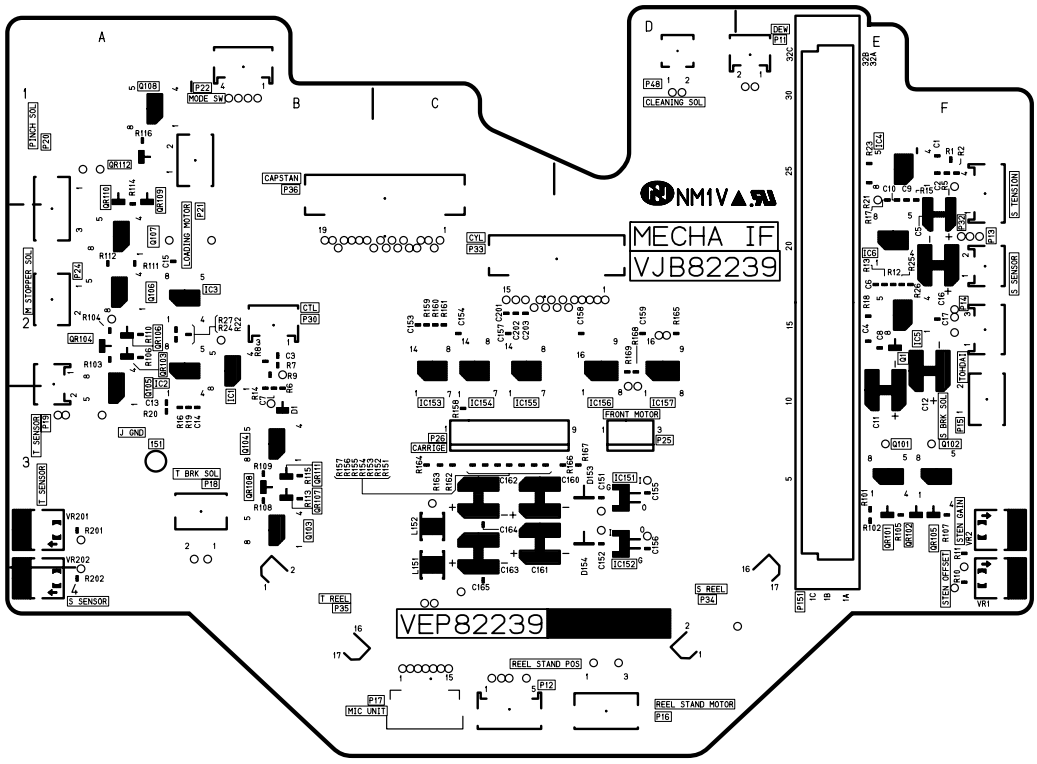
MECHA IF P.C.BOARD (VEP82239A)

FOIL SIDE

REF	LOC
P151	E2
P25	D3
P26	C3
P34	D4
P35	B4
VR1	F4
VR2	F3
VR201	A3
VR202	A4



(FOIL SIDE)

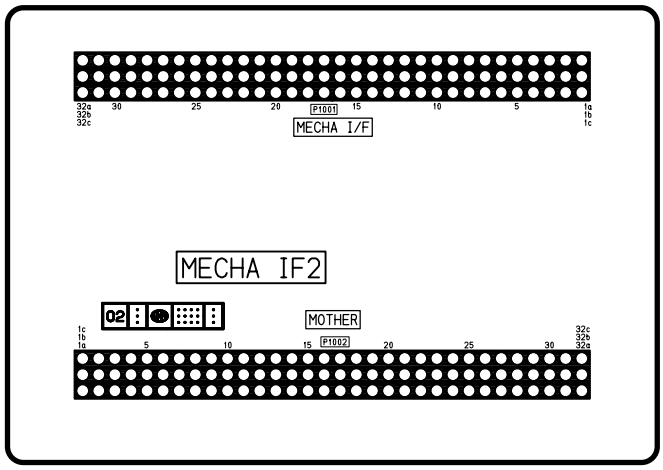


COMPONENT SIDE

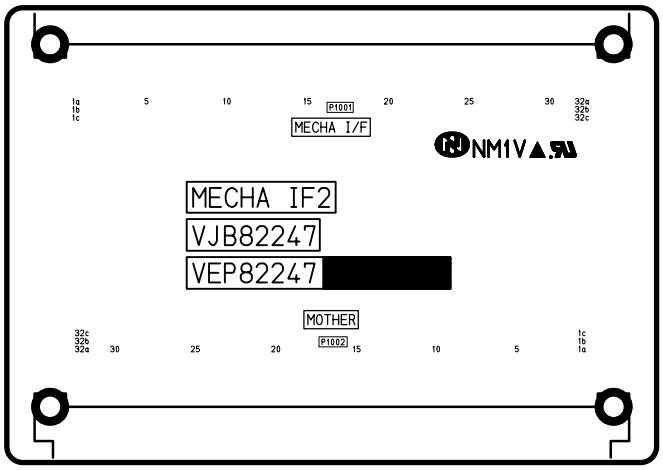
REF	LOC	REF	LOC
IC1	B2	P33	C2
IC2	A2	P34	D4
IC3	A2	P35	B4
IC4	E1	P36	B1
IC5	A2	P48	D1
IC5	E2	P151	E4
IC6	E2	Q1	E2
IC151	D3	Q101	E3
IC152	D3	Q102	F3
IC153	C2	Q103	B3
IC154	C2	Q104	B3
IC155	C2	Q106	A2
IC156	D2	Q107	A2
IC157	D2	Q108	A1
P11	E1	QR101	E3
P12	C4	QR102	E3
P13	F2	QR103	A2
P14	F2	QR104	A2
P15	F3	QR105	F3
P16	D4	QR106	A2
P17	C4	QR107	B3
P18	B3	QR108	B3
P19	A2	QR109	A1
P20	A1	QR110	A1
P21	B1	QR111	B3
P22	B1	QR112	A1
P24	A2	VR1	F4
P25	D3	VR2	F3
P26	C3	VR201	A3
P30	B2	VR202	A3
P32	F1		

(COMPONENT SIDE)

MECHA IF2 P.C.BOARD (VEP82247A)

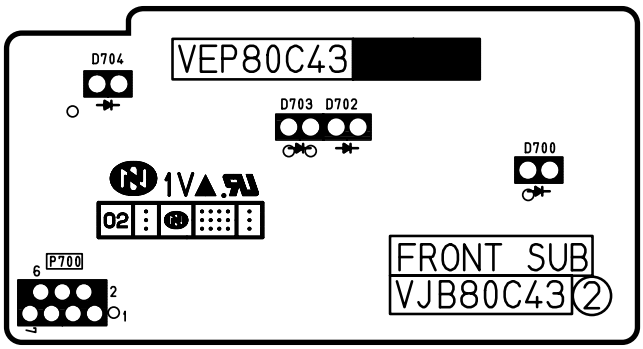


(FOIL SIDE)

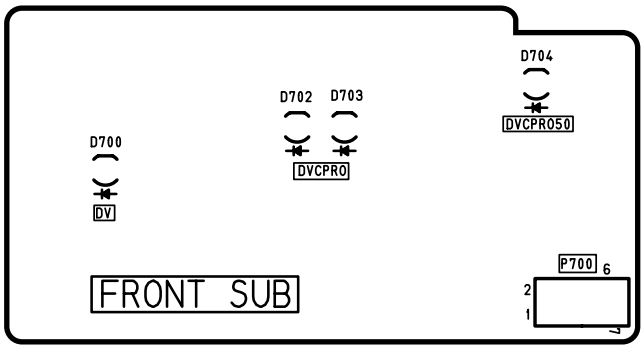


(COMPONENT SIDE)

FRONT SUB P.C.BOARD (VEP80C43A)

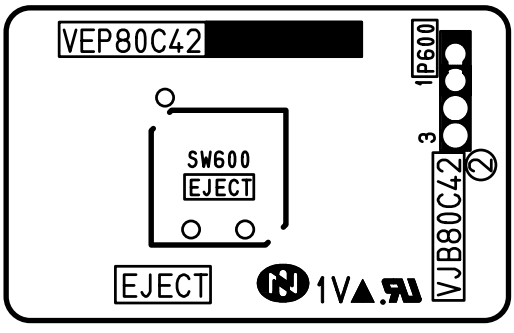


(FOIL SIDE)

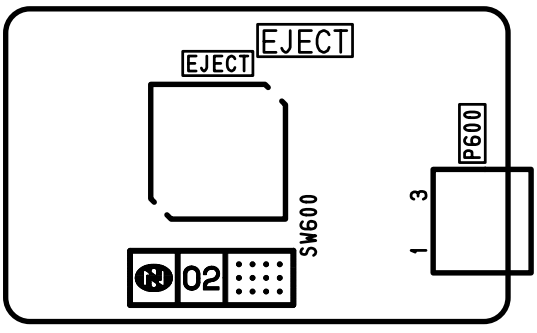


(COMPONENT SIDE)

EJECT P.C.BOARD (VEP80C42A)



(FOIL SIDE)

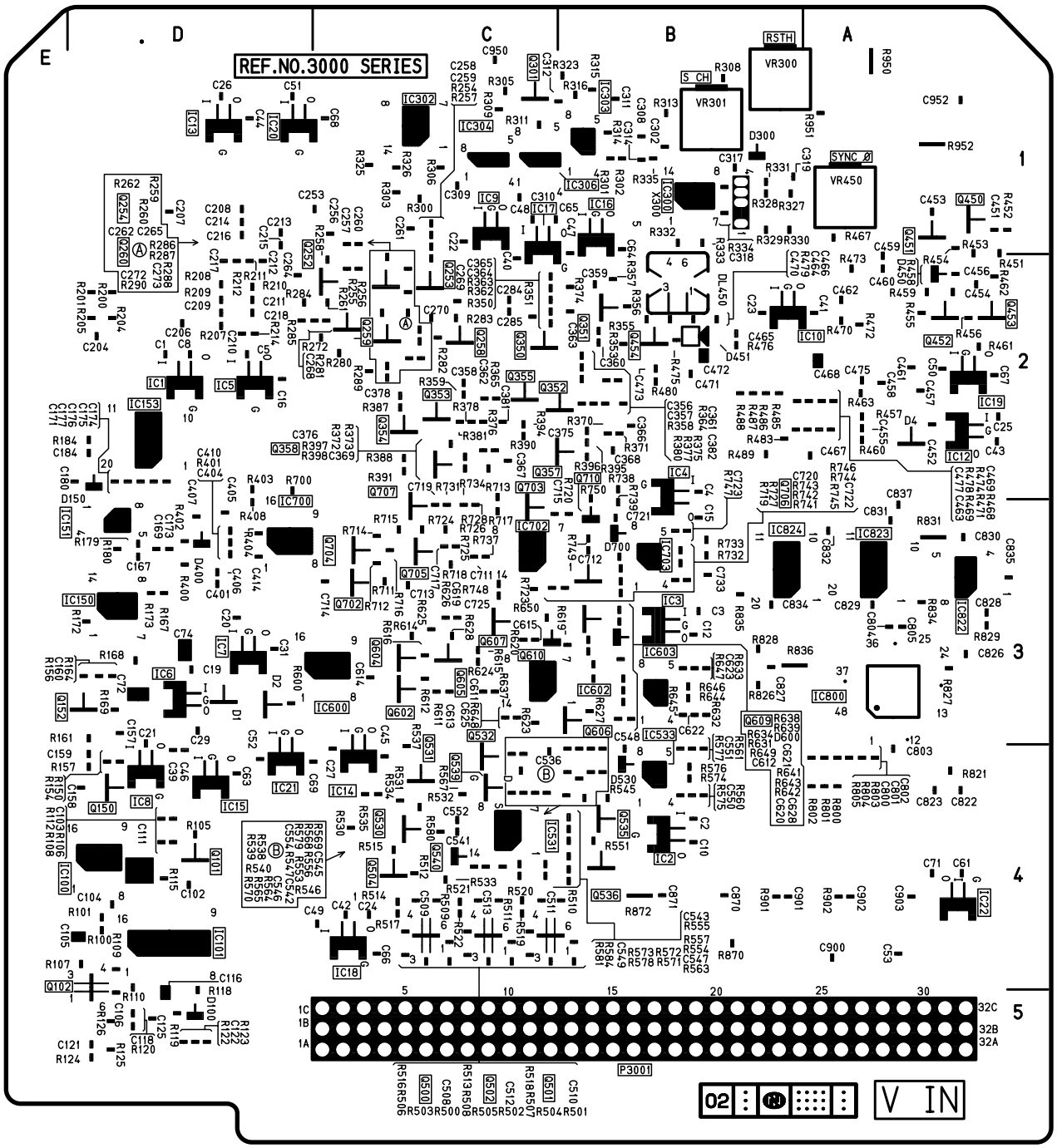


(COMPONENT SIDE)

F2A: V_IN P.C.BOARD (VEP83594B/A)(AJ-YA931G, YA932G: OPTION)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	D2	IC15	D4	IC300	B1	IC800	A3	Q259	C2	Q452	A2	Q540	C4	Q707	C3
IC2	B4	IC16	B1	IC302	C1	IC822	A3	Q260	C2	Q453	A2	Q602	C3	Q710	B3
IC3	B3	IC17	C1	IC303	B1	IC823	A3	Q301	C1	Q454	B2	Q604	C3	VR300	B1
IC4	B2	IC18	C4	IC304	C1	IC824	B3	Q350	C2	Q500	C4	Q605	C3	VR301	B1
IC5	D2	IC19	A2	IC306	C1	P3001	B5	Q351	B2	Q501	C4	Q606	B3	VR450	A1
IC6	D3	IC20	D1	IC531	C4	Q101	D4	Q352	B2	Q502	C4	Q607	C3		
IC7	D3	IC21	D4	IC533	B4	Q102	D4	Q353	C2	Q504	C4	Q609	B3		
IC8	D4	IC22	A4	IC600	C3	Q150	D4	Q354	C2	Q530	C4	Q610	C3		
IC9	C1	IC100	D4	IC602	C3	Q152	D3	Q355	C2	Q531	C4	Q702	C3		
IC10	B2	IC101	D4	IC603	B3	Q252	C2	Q357	B2	Q532	C4	Q703	C3		
IC12	A2	IC150	D3	IC700	D3	Q253	C2	Q358	C2	Q535	B4	Q704	C3		
IC13	D1	IC151	D3	IC702	C3	Q254	C2	Q450	A1	Q536	B4	Q705	C3		
IC14	C4	IC153	D2	IC703	B3	Q258	C2	Q451	A1	Q539	C4	Q706	B3		

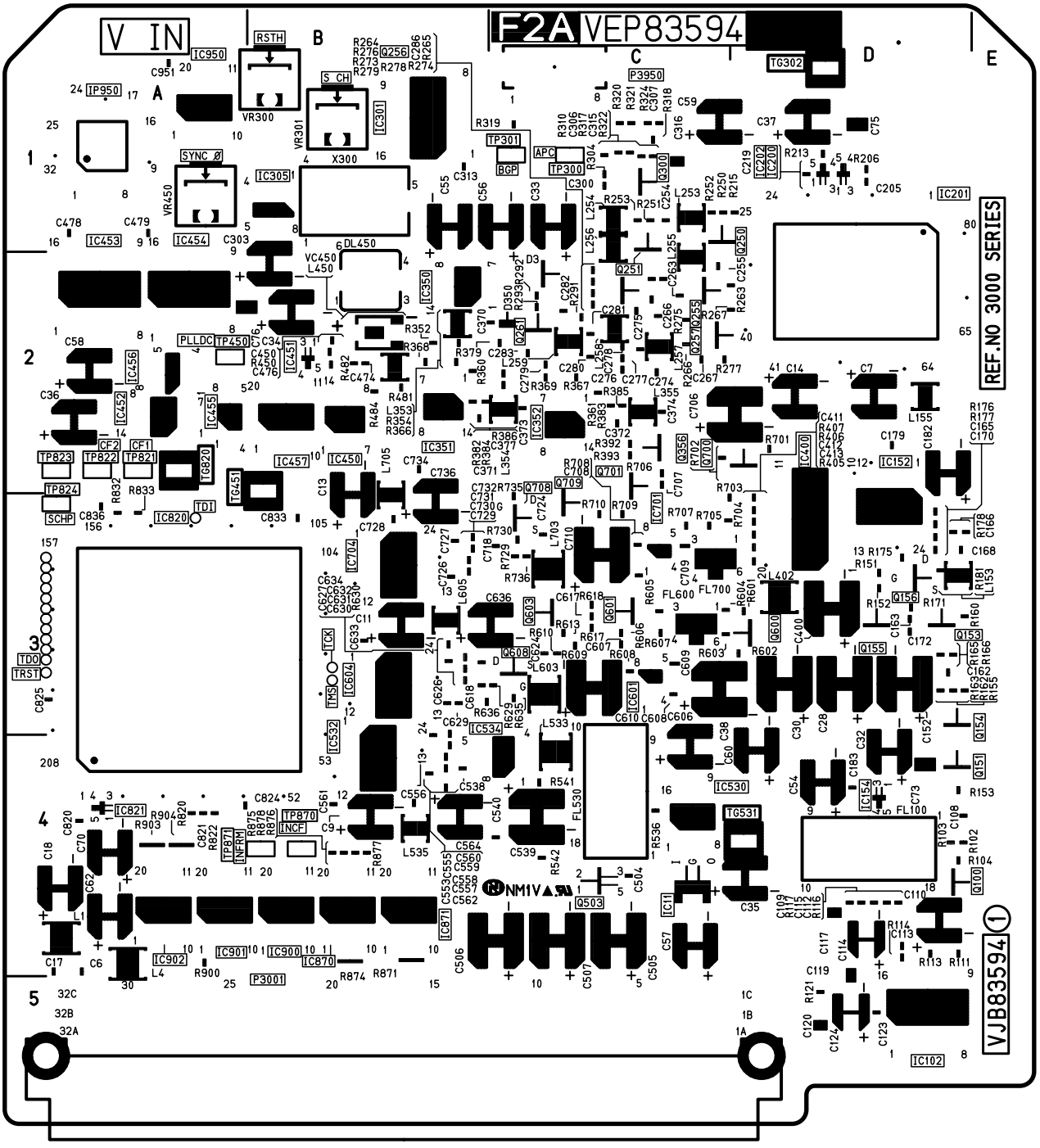


(FOIL SIDE)

F2A: V_IN P.C.BOARD (VEP83594B/A)(AJ-YA931G, YA932G: OPTION)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC11	C4	IC450	B2	IC701	C3	Q100	D4	Q356	C2	TG820	A2	VR450	A1
IC102	D5	IC451	B2	IC704	B3	Q151	D4	Q503	C4	TP300	C1		
IC152	D3	IC452	A2	IC820	A3	Q153	D3	Q600	D3	TP301	C1		
IC154	D4	IC453	A2	IC821	A4	Q154	D3	Q601	C3	TP450	A2		
IC200	D1	IC454	A2	IC870	B4	Q155	D3	Q603	C3	TP821	A2		
IC201	D2	IC455	A2	IC871	B4	Q156	D3	Q608	C3	TP822	A2		
IC202	D1	IC456	A2	IC900	B4	Q250	C1	Q700	D2	TP823	A2		
IC301	B1	IC457	B2	IC901	A4	Q251	C1	Q701	C2	TP824	A3		
IC305	B1	IC530	C4	IC902	A4	Q255	C2	Q708	C3	TP870	B4		
IC350	B2	IC532	B4	IC950	A1	Q256	C2	Q709	C3	TP871	B4		
IC351	B2	IC534	C4	IP950	A1	Q257	C2	TG302	D1	VC450	B2		
IC352	C2	IC601	C3	P3001	B5	Q261	C2	TG451	B2	VR300	B1		
IC400	D3	IC604	B3	P3950	C1	Q300	C1	TG531	D4	VR301	B1		

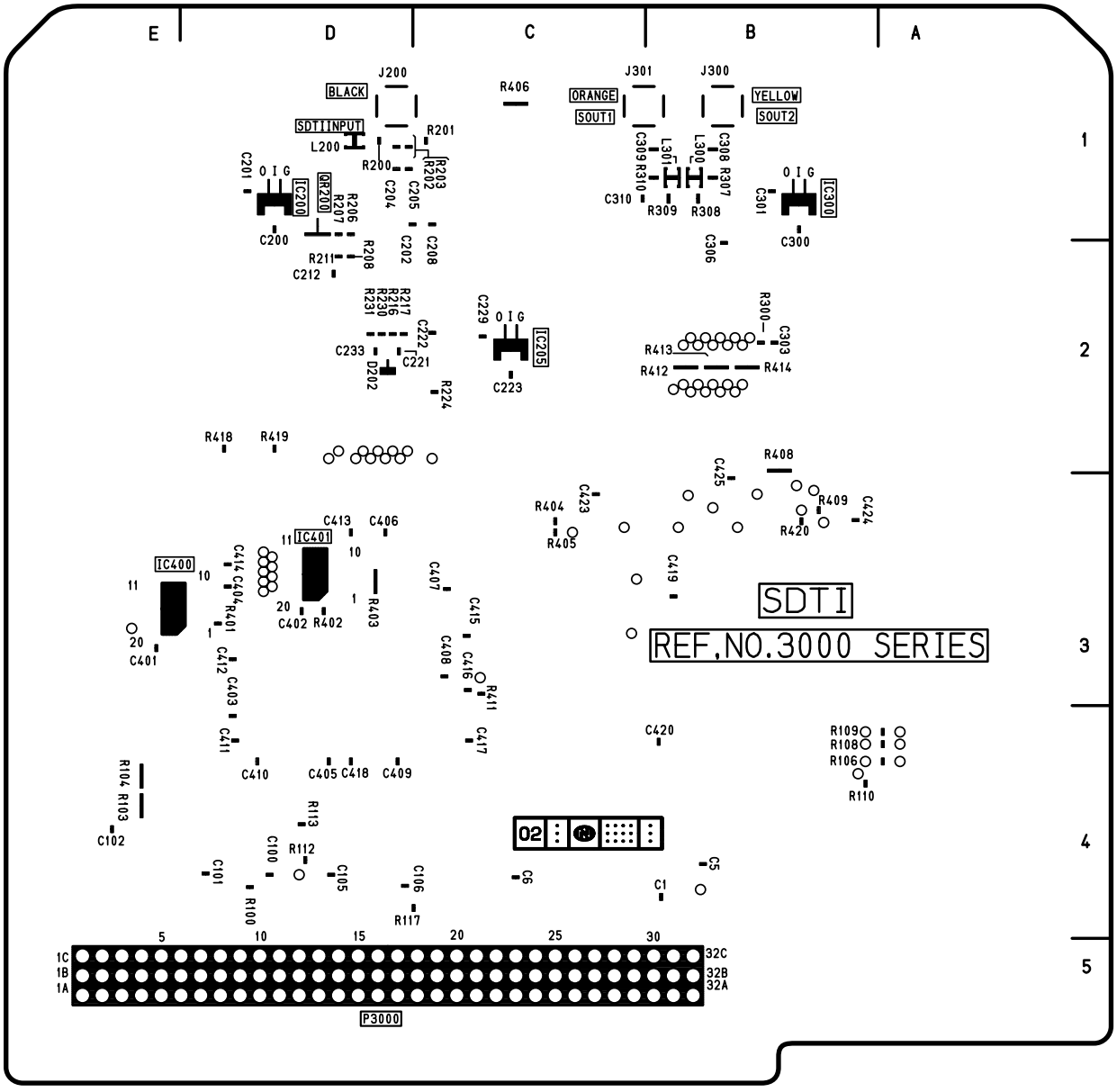


(COMPONENT SIDE)

F3B: SDTI P.C.BOARD (VEP83595A)(AJ-YAC930G: OPTION)

FOIL SIDE

REF	LOC
IC200	D1
IC205	C2
IC300	B1
IC400	E3
IC401	D3
P3000	D5
QR200	D1

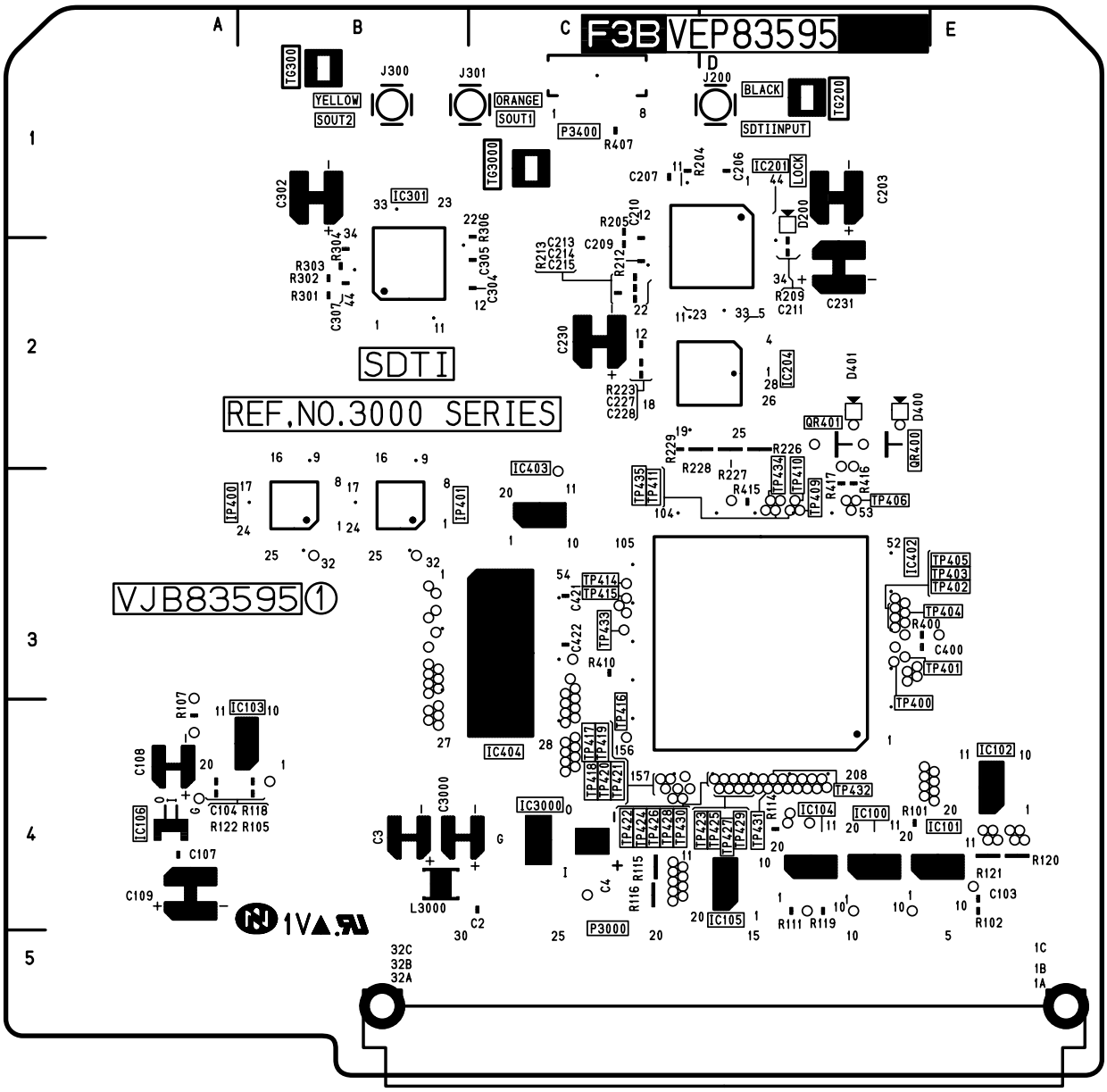


(FOIL SIDE)

F3B: SDTI P.C.BOARD (VEP83595A)(AJ-YAC930G: OPTION)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC100	D4	IP400	B3	TP405	D3	TP423	D4
IC101	E4	IP401	B3	TP406	D3	TP424	D4
IC102	E4	P3000	C5	TP409	D3	TP425	D4
IC103	B4	P3400	C1	TP410	D3	TP426	D4
IC104	D4	QR400	D2	TP411	D3	TP427	D4
IC105	D4	QR401	D2	TP414	C3	TP428	D4
IC106	A4	TG200	D1	TP415	C3	TP429	D4
IC201	D2	TG300	B1	TP416	C4	TP430	D4
IC204	D2	TG3000	C1	TP417	C4	TP431	D4
IC301	B2	TP400	D3	TP418	C4	TP432	D4
IC402	D3	TP401	D3	TP419	C4	TP433	C3
IC403	C3	TP402	D3	TP420	C4	TP434	D3
IC404	C3	TP403	D3	TP421	C4	TP435	D3
IC3000	C4	TP404	D3	TP422	D4		



(COMPONENT SIDE)

SECTION 8

EXPLODED VIEWS
&
REPLACEMENT PARTS LIST

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board unit marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the discontinuation of this assembly in production, it will no longer be available.
7. "(M)" in Remark column indicates needed in the periodical maintenance.

CONTENTS

SERVICING FIXTURES & TOOLS PRT-1
MECHANICAL CHASSIS ASSEMBLY (1) PRT-2
MECHANICAL CHASSIS ASSEMBLY (2) PRT-4
SUB CHASSIS ASSEMBLY PRT-6
CASSETTE COMPARTMENT ASSEMBLY PRT-8
CASING PARTS ASSEMBLY PRT-10
FRONT PANEL ASSEMBLY PRT-12
CHASSIS FRAME ASSEMBLY PRT-14
REAR PANEL ASSEMBLY PRT-16
PACKING PARTS ASSEMBLY PRT-18
PACKING PARTS ASSEMBLY (AJ-YA931G, YA932G/AJ-YAC930G) PRT-20
ELECTRICAL REPLACEMENT PARTS LIST (AJ-SD930P) PRT-22
ELECTRICAL REPLACEMENT PARTS LIST (AJ-SD955AP) PRT-60
ELECTRICAL REPLACEMENT PARTS LIST (AJ-YA931G) PRT-98
ELECTRICAL REPLACEMENT PARTS LIST (AJ-YA932G) PRT-103
ELECTRICAL REPLACEMENT PARTS LIST (AJ-YAC930G) PRT-108

AJ-SD930P				AJ-SD955AP			
Ref. No.	**Parts No.**	**P.C.Board**	**Page**	**Ref. No.**	**Parts No.**	**P.C.Board**	**Page**
E1	VEP84383A	F1 AUDIO	PRT-22	E1	VEP84383A	F1 AUDIO	PRT-60
E2	VEP84384A	F2B A PROC	PRT-27	E2	VEP84384A	F2B A PROC	PRT-65
E3	VEP83605A	F3A SDI	PRT-28	E3	VEP83605A	F3A SDI	PRT-66
E4	VEP83596B	F4 REC PB	PRT-29	E4	VEP83596C	F4 REC PB	PRT-67
E5	VEP83597B	F5 V OUT	PRT-33	E5	VEP83597C	F5 V OUT	PRT-71
E6	VEP86326B	F6 SYSCON	PRT-36	E6	VEP86326C	F6 SYSCON	PRT-74
E7	VEP82246B	F7 SERVO	PRT-39	E7	VEP82246C	F7 SERVO	PRT-77
E8	VEP85207A	F8 RF EQ	PRT-43	E8	VEP85207A	F8 RF EQ	PRT-81
E9	VEP85208A	RF CUE	PRT-50	E9	VEP85208A	RF CUE	PRT-88
E10	VEP80C41A	MOTHER	PRT-53	E10	VEP80C41A	MOTHER	PRT-91
E11	VEP82239A	MECHA IF	PRT-54	E11	VEP82239A	MECHA IF	PRT-92
E12	VEP82247A	MECHA IF 2	PRT-54	E12	VEP82247A	MECHA IF 2	PRT-92
E13	VEP81221C	POWER 1	PRT-54	E13	VEP81221C	POWER 1	PRT-92
E14	VEP81222A	POWER 2	PRT-56	E14	VEP81222A	POWER 2	PRT-94
E15	VEP80C40A	AV JACK	PRT-56	E15	VEP80C40A	AV JACK	PRT-94
E16	VEP86327A	FRONT	PRT-57	E16	VEP86327B	FRONT	PRT-95
E17	VEP80C43A	FRONT SUB	PRT-59	E17	VEP80C43A	FRONT SUB	PRT-97
E18	VEP80C42A	EJECT	PRT-59	E18	VEP80C42A	EJECT	PRT-97
E19	VEP80856A	CARRIGE	PRT-59	E19	VEP80856A	CARRIGE	PRT-97

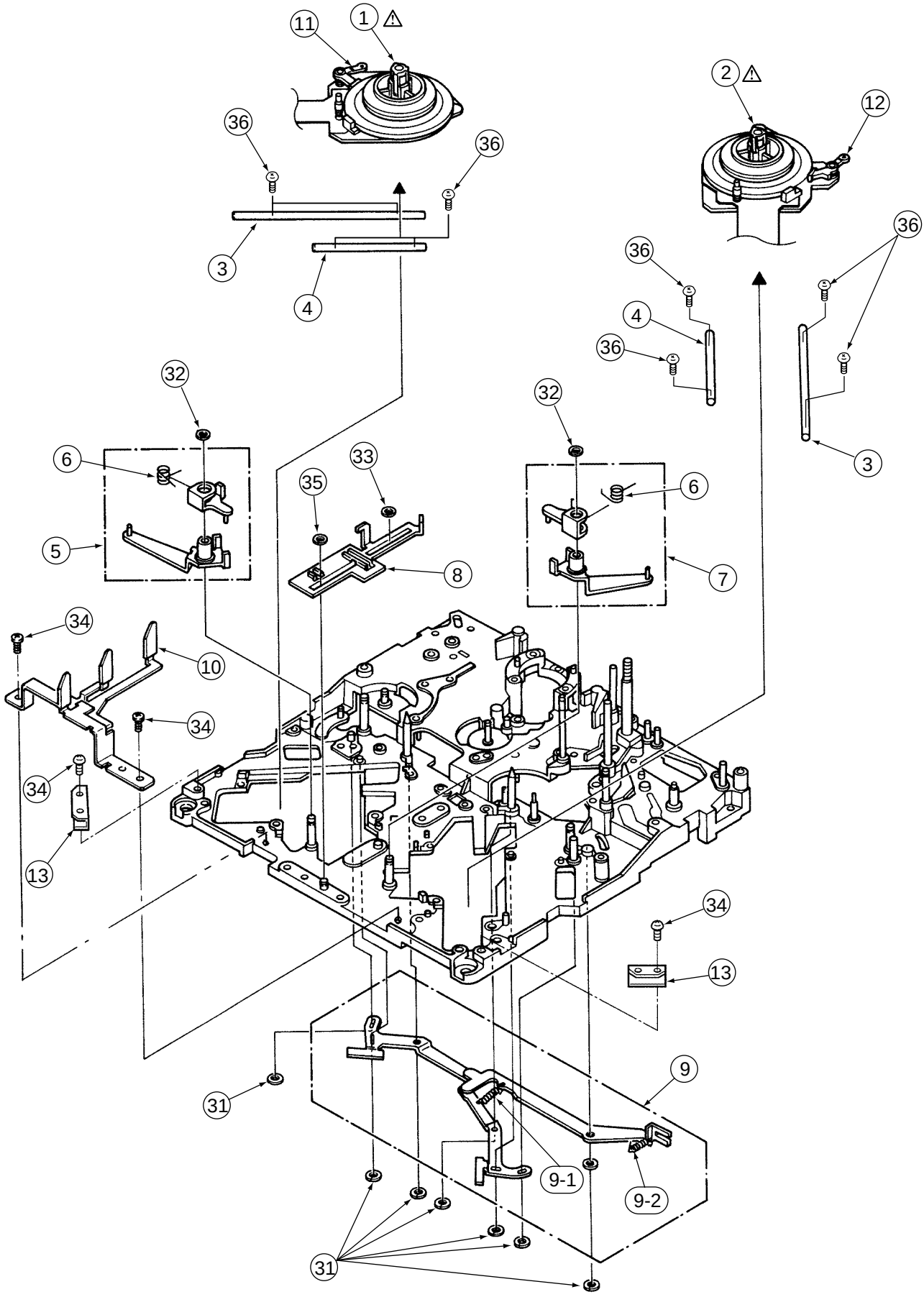
SERVICING FIXTURES & TOOLS

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VFK1145A	BACK TENSION METER	1	
2	VFK1149A	POST DRIVER	1	
3	VFK71A	DIAL TORQUE GAUGE	1	
4	VFK1191A	DIAL TORQUE GAUGE	1	
5	VFK1152	GORQUE GAUGE ADAPTOR	1	
6	VFK0357	ECCENTRIC SCREWDRIVER	1	(1.5MM)
7	VFK1154	POST HIGHT TOOL	1	
8	VFK1153	MECH NEWTRAL PLATE	1	
9	VFK1155	NEWTRAL POSITION TOOL	1	(SILVER)
10	VFK1156	NEWTRAL POSITION TOOL	1	(BLACK)
11	VFK1208	NEWTRAL POSITION TOOL	1	(BLACK WITH HOLE)
12	VFK1150A	NUT DRIVER (5.2MM)	1	
13	VFK1151	NUT DRIVER (2.5MM)	1	
14	VFK1188A	DIAL TENSION GAUGE	1	
15	VFK0948A	CHECK LIGHT	1	
16	VFK0749	FROIRAL GREASE	1	(FOR PLASTIC PART)
17	M0R265	MORLYTONE GREASE	1	(FOR METAL PART)
18	VFK1146A	PHILIPS DRIVER	1	
19	VFK1147A	SCREW DRIVER	1	
20	VFK1148A	HEX DRIVER (1.5MM)	1	
21	VFK1178	HEX DRIVER (0.89MM)	1	
22	VFK1179	HEX DRIVER (0.71MM)	1	
23	VFK1190	HEX WRENCH (1.5MM)	1	
24	VFK1209A	TORQUE DRIVER	1	
25	VFK1375	POST AXIS DRIVER	1	
26	VFK1300	A/D BOARD (DAQ-12,QUATECH)	1	
27	VFM3580KM	ALIGNMENT TAPE (NO.1)	1	FOR NTSC (NO.1)
27	VFM3580KL	ALIGNMENT TAPE (NO.1)	1	FOR NTSC (NO.1)
27	VFM3680KM	ALIGNMENT TAPE (NO.1)	1	FOR NTSC (NO.1)
27	VFM3680KL	ALIGNMENT TAPE (NO.1)	1	FOR NTSC (NO.1)
28	VFM3581KM	ALIGNMENT TAPE (NO.2)	1	FOR NTSC (NO.2)
28	VFM3581KL	ALIGNMENT TAPE (NO.2)	1	FOR NTSC (NO.2)
29	VFM3582KM	ALIGNMENT TAPE (NO.3)	1	FOR NTSC (NO.3)
29	VFM3582KL	ALIGNMENT TAPE (NO.3)	1	FOR NTSC (NO.3)
30	VFM3380KM	DVCPRO 50 ALIGNMENT TAPE	1	(COLOR BAR)
31	VFM3010EDS	DV ALIGNMENT TAPE (COLOR BAR	1	FOR NTSC (COLOR BAR)
32	VFM3000EDS	DV ALIGNMENT TAPE (LISTA)	1	(LISTA)
33	AJ-CL12MP	CLIEANING TAPE	1	
34	VFK1423	TAPE BEG/END DET CASSETTE	1	(M)
35	VFK1192	F EXTENSION BOARD	1	
36	VFK1496	EXTENDER BOARD	1	
37	VFK1481E	LISTA SOFTWARE	1	
38	VFK1186	LISTA CABLE	1	
39	VFK1248L	FLASH ROM VERSION UP SOFT	1	
40	VFK1590	C PLD WRITER	1	
41	VFK1304A	FLASH ROM VERSION UP TOOL	1	
42	VFK0906	OIL	1	
43	VZZ0095	CLEANING CLOTH	1	
44	VFK1806	RF ADJUSTMENT SOFTWARE	1	
45	VFK1803	EXTENSION CABLE	1	FOR FRONT PANEL
46	-----	EE CLEANER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (1)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



MECHANICAL CHASSIS ASSEMBLY (1)

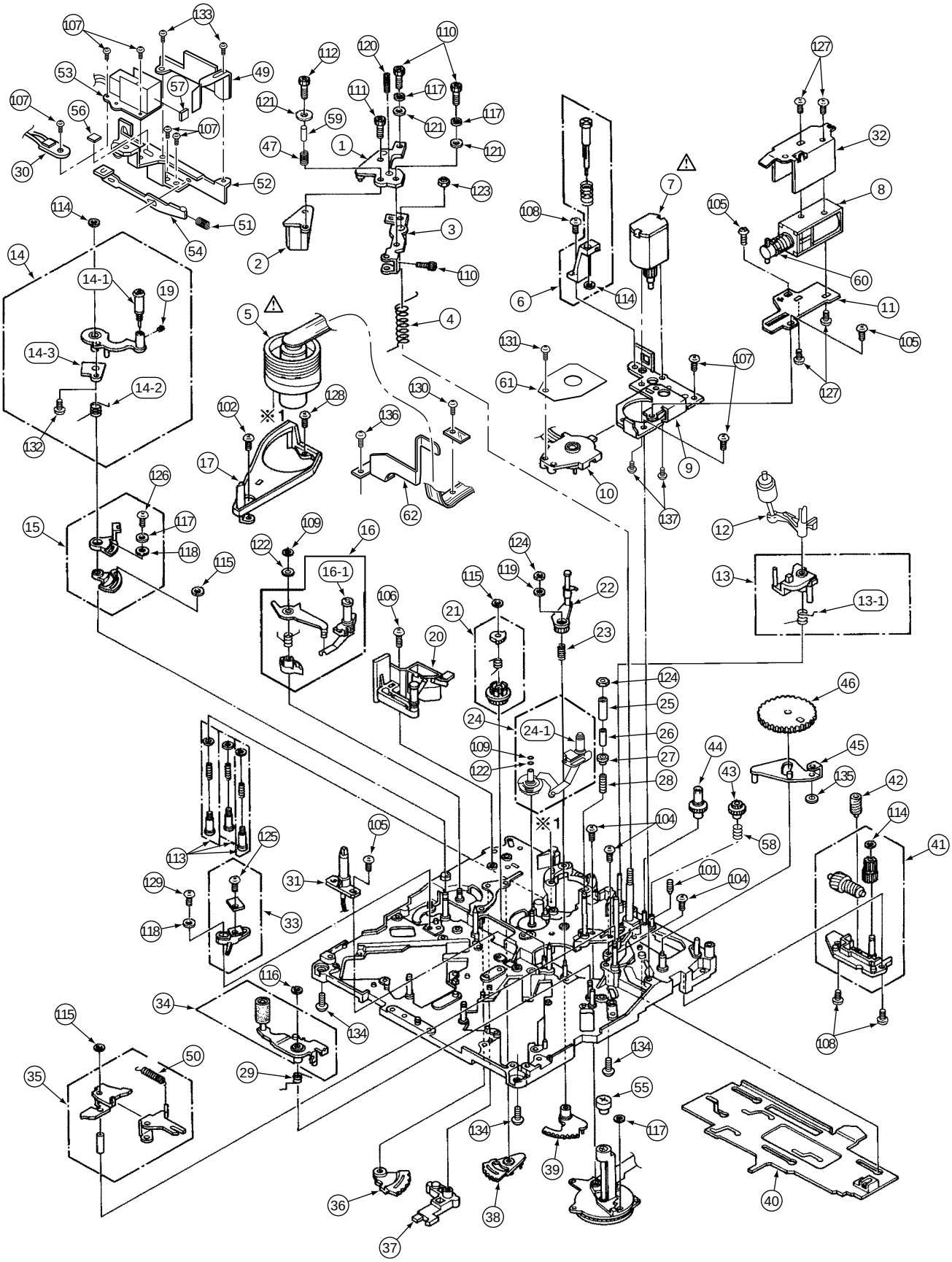
Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VEM0686	S REEL MOTOR A ASS'Y	1	(M)
⚠ 2	VEM0687	T REEL MOTOR A ASS'Y	1	(M)
3	VMS5923	REEL OUTER RAIL	2	
4	VMS5924	REEL INNER RAIL	2	
5	VXL2589	S BASE DRIVE ARM ASS'Y	1	OR VXL2589C
6	VMB2944	CHARGE SPRING	2	
7	VXL2590	T BASE DRIVE ARM ASS'Y	1	OR VXL2590C
8	VXA5625	SLIDE ROD ASS'Y	1	OR VXA5625C
9	VXL2597	M STOPPER DRIVE ARM ASS'Y	1	OR VXL2597C
9-1	VMB2955	M STOPPER SPRING (1)	1	
9-2	VMB3017	M STOPPER SPRING (2)	1	
10	VXA6174	L-M BRAKE RELEASE ASS'Y	1	OR VXA6174C
11	VXZ0439	S BRAKE ARM ASS'Y	1	
12	VXZ0440	T BRAKE ARM ASS'Y	1	
13	VMZ2603	REEL FLEX COVER	2	
31	VMX1061	WASHER	7	
32	VMX1079	CUT WASHER	2	
33	VMX0967	CUT WASHER	1	
34	XQN2+CF3	SCREW	4	
35	VMX0967	CUT WASHER	1	
36	VHD0995	SCREW	8	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (2)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



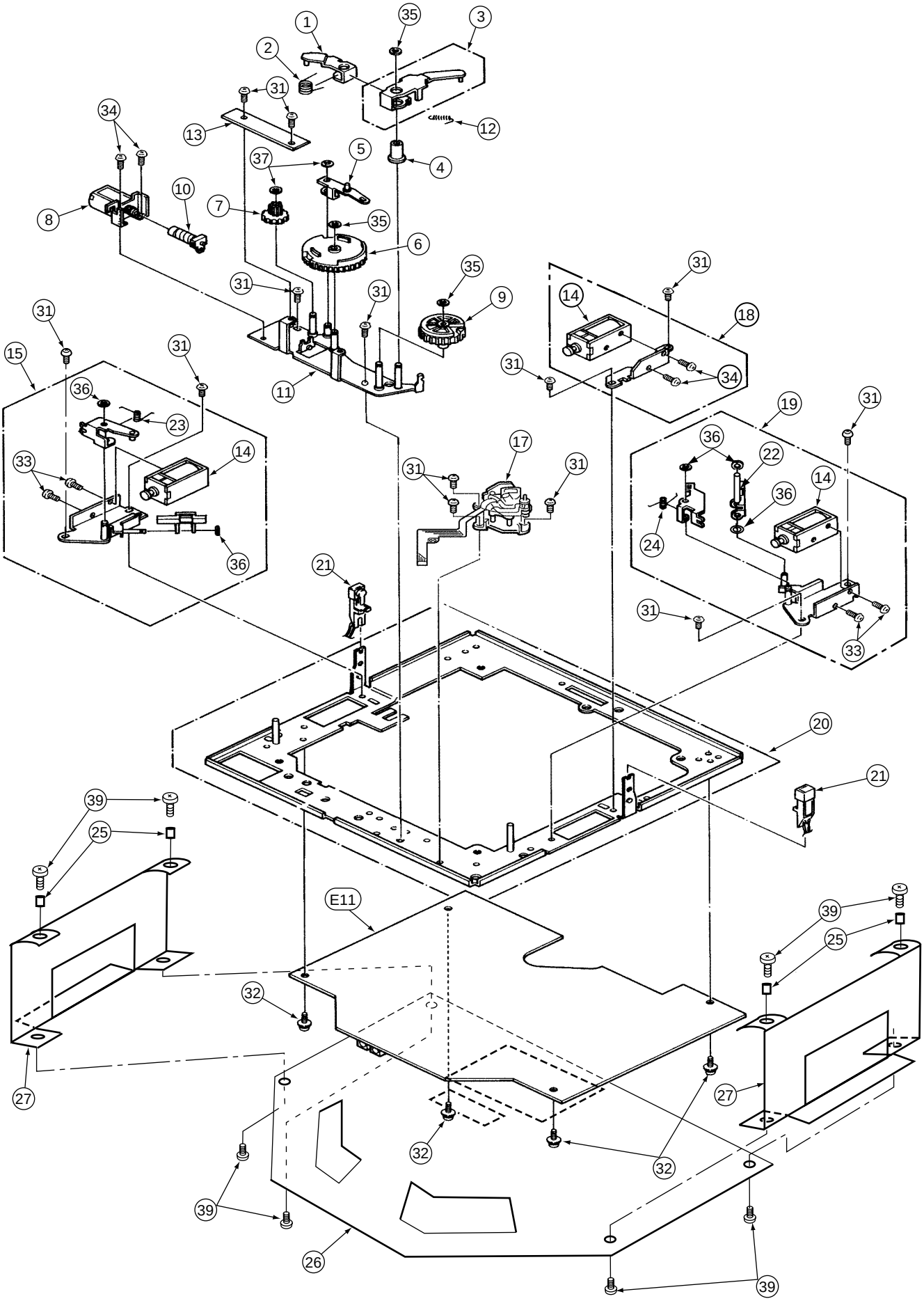
MECHANICAL CHASSIS ASSEMBLY (2)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA5554	A/C HEAD BASE (1) ASS'Y	1	
2	VED0419	A/C HEAD	1	(M)
3	VXA6067	A/C HEAD BASE (2) ASS'Y	1	
4	VMB2935	A/C HEAD HIGHT SPRING	1	
⚠ 5	VEG1501	SYLINDER UNIT	1	(M)
6	VXA5715C	EMERGENCY SHAFT HOLDER AS	1	
⚠ 7	VEM0645C	LOADING MOTOR (1) ASS'Y	1	(M)
8	VSJ0227	PINCH SOLENOID	1	(M)
9	VXA5584C	MOTOR ANGLE ASS'Y	1	
10	VES0918C	MODE SW ASS'Y	1	(M)
11	VMA0A35	PINCH SOLENOID BASE	1	
12	VXL3027C	CLEANING ARM ASS'Y	1	(M)
13	VXL2870C	T2 ARM ASS'Y	1	
13-1	VMB3304	T2 ARM SPRING	1	
14	VXL2832	TENSION ARM A ASS'Y	1	(M)
14-1	VXP1866	TENSION ROLLER	1	
14-2	VMB3220	TENSION LEG SPRING	1	
14-3	VXA6173	MAGNET HOLDER ASS'Y	1	
15	VXA5791C	TENSION REG. SPRING HOOK	1	
16	VXL2812	S1 LOADING ARM ASS'Y	1	(M)
16-1	VXA6087	S1 BOAT ASS'Y	1	
17	VMD3731	LOADING RAIL	1	
19	VHD0561	HEX SCREW	1	
20	VXA7361	S5 POST BASE A ASS'Y	1	(M)
21	VXP1683C	T4 CONNECTION GEAR ASS'Y	1	
22	VXL2772	T4 ARM ASS'Y	1	
23	VMB2950	T4 THRUST SPRING	1	
24	VXL2953	T LOADING ARM ASS'Y	1	
24-1	VXA6379	T1 BOAT ASS'Y	1	(M)
25	VMS5906	T3 UPPER FRANGE	1	
26	VMS5905	T3 SLEEVE	1	
27	VMS5904	T3 LOWER FRANGE	1	
28	VMB2929	T3 SPRING	1	
29	VMB2933	PINCH RELEASE SPRING	1	
30	VEK7927	INSULLATION SENSOR	1	EYHS77Y7
31	VEK8970	LED HOLDER P.C.BOARD	1	OR VEK8970C
32	VMA9411	PINCH SOLENOID ANGLE	1	
33	VXA5820C	TENSION SENSOR ASS'Y	1	
34	VXL2835C	PINCH ARM ASS'Y	1	(M)
35	VXL2588C	PINCH GUIDE ARM ASS'Y	1	
36	VXA5570C	T SECTOR GEAR ASS'Y	1	
37	VXL2838	TENSION REG. GUIDE ARM	1	OR VXL2838C
38	VXA5567C	S SECTOR GEAR ASS'Y	1	
39	VXA5564C	T4 SECTOR GEAR ASS'Y	1	
40	VXA6348	MAIN ROD ASS'Y	1	
41	VXA5627C	THRUST SHAFT HOLDER ASS'Y	1	
42	VDG1166	MOTOR WARM GEAR	1	
43	VDG1444	MOTOR EMARGENCY GEAR B	1	
44	VDG1443	EMERGENCY GEAR A	1	
45	VXL2889C	MAIN CAM ARM ASS'Y	1	
46	VDG1168	MAIN CAM GEAR	1	(M)
47	VMB2937	A/C HEAD ADJUST SPRING	1	
49	VMD3475	T1 GUIDE ASS'Y	1	
50	VMB2934	SPRING	1	
51	VMB3051	CLEANER RETURN SPRING	1	
52	VXA6077	CLEANER BASE 1 ASS'Y	1	OR VXA6077C
53	VXA7382C	CLEANER SOLENOID ASS'Y	1	
54	VMM0429	CLEANER INTERLOCK	1	
55	VXQ0556	THRUST SCREW ASS'Y	1	(M)
56	VMT0871	SILENCER A	1	
57	VMT0872	SILENCER B	1	
58	VMB3192	SPRING	1	
59	VMS5987	AZIMUTH SLEEVE	1	
60	VMB2948	SPRING	1	
61	VMZ2737	MODE SW COVER	1	
62	VMA0A41	RT FLEX GUIDE	1	
101	VHD0356	SCREW	1	
102	XQN2+A3	SCREW	1	
104	XQN2+A35FZ	SCREW	3	
105	XQN2+AM2	SCREW	3	
106	XQN2+CF5	SCREW	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
107	XQN2+CF3	SCREW	7	
108	XQN2+CF4	SCREW	3	
109	XUC12FP	E-RING	2	
110	XVE2B4FZ	HEX SCREW	3	
111	XVE2B6FP	HEX SCREW	1	
112	XVE2B12FP	HEX SCREW	1	
113	VXQ0439	SCREW	3	
114	VMX0967	CUT WASHER	3	
115	VMX1061	WASHER	3	
116	VMX1079	CUT WASHER	1	
117	XWA2B	WASHER	4	
118	XWE2	WASHER	2	
119	XWE16VW	WASHER	1	
120	XXE2A6FP	HEX SCREW	1	
121	XWG2	WASHER	3	
122	XWGV15Z32G	WASHER	2	
123	VHD0045	NYLON NUT	1	
124	VHN0312	NUT	2	
125	XQN2+AQ3.5FZ	SCREW	1	
126	XQN2+BQ55FZ	SCREW	1	
127	XQN2+A1.5	SCREW	4	
128	XQN2+A5	SCREW	1	
129	XQN2+C4	SCREW	1	
130	XYN2+K4	SCREW	1	
131	XYN2+J6	SCREW	1	
132	XQN2+CM3	SCREW	1	
133	XQN2+J5	SCREW	2	
134	XYN3+C5	SCREW	3	
135	XWGV2Z4G	WASHER	1	
136	XTV3+6F	SCREW	1	
137	XQN2+A2	SCREW	2	
*	VXY1731Z1	MECHA CHASSIS ASS'Y	1	(M)

SUB CHASSIS ASSEMBLY

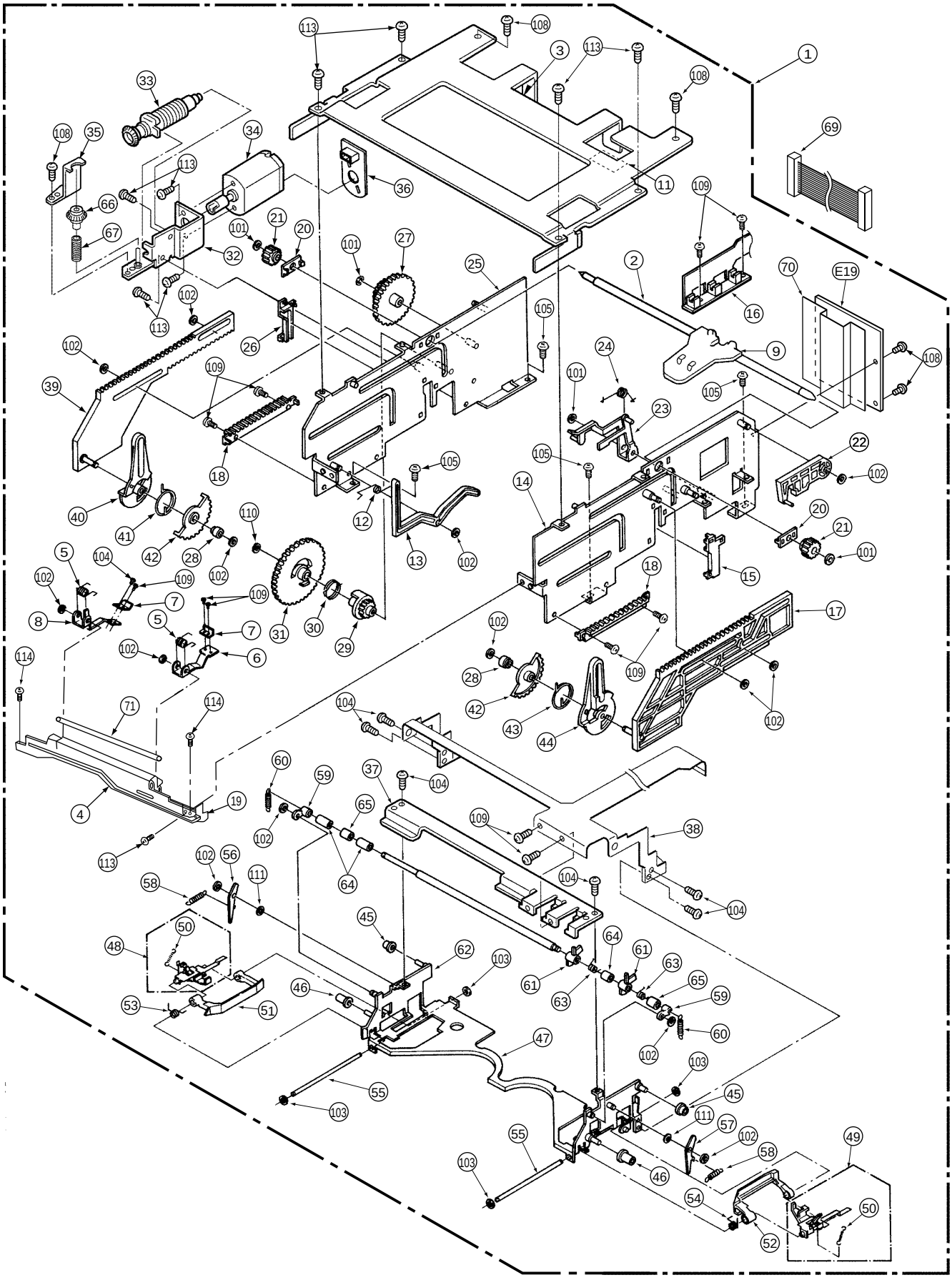


SUB CHASSIS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXL2656	MIC DRIVE ARM A ASS'Y	1	OR VXL2656C
2	VMB3018	MIC DRIVE SPRING	1	
3	VXL2657	MIC DRIVE ARM (B) ASS'Y	1	OR VXL2657C
4	VDB1429	MIC DRIVE ARM BOSS	1	
5	VXL2613	REEL DRIVE ARM ASS'Y	1	OR VXL2613C
6	VDG1192	REEL DRIVE CAM GEAR	1	
7	VDG1193	REEL DRIVE WORM WHEEL	1	
8	VEM0585	REEL DRIVE MOTOR ASS'Y	1	(M)
9	VDG1211	MIC GENEVA GEAR	1	
10	VXP1698	REEL DRIVE WORM ASS'Y	1	OR VXP1698C
11	VXA5628	MOTOR BASE ASS'Y	1	OR VXA5628C
12	VMB3019	MIC DRIVE RETURN SPRING	1	
13	VEK7726	REEL SENSOR P.C.BOARD	1	OR VEK7726C
14	VSJ0216	SOLENOID	3	(M)
15	VXA5575	S-BRAKE SOLENOID BASE ASS'Y	1	OR VXA5575C
17	VXA7014C	MIC SENSOR SW BASE ASS'Y	1	(M)
18	VXA5579C	M STOPPER SOLENOID ASS'Y	1	
19	VXA5887	T-BRAKE SOLENOID BASE ASS'Y	1	OR VXA5887C
20	VXK1336	SUB CHASSIS ASS'Y	1	OR VXK1336C
21	VEK7692	SENSOR HOLDER ASS'Y	2	OR VEK7692C
22	VMS6193	T BRAKE RELEASE ARM SHAFT	1	
23	VMB2957	S BRAKE SPRING	1	
24	VMB2987	T BRAKE SPRING	1	
25	VMX3081	SPACER	4	
26	VMP6831	P.C.B. SUPPORT ANGLE	1	
27	VMA0J69	P.C.B. HOLDER ANGLE	2	
31	XQN2+CF3	SCREW	13	
32	XYN26+K6	SCREW	4	
33	XQN2+A1.5	SCREW	4	
34	XQN2+A2	SCREW	4	
35	VMX1079	CUT WASHER	3	
36	VMX0967	CUT WASHER	5	
37	VMX1548	CUT WASHER	2	
39	XYN26+F8	SCREW	8	
E11	VEP82239A	MECHA I/F P.C.BOARD	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

CASSETTE COMPARTMENT ASSEMBLY

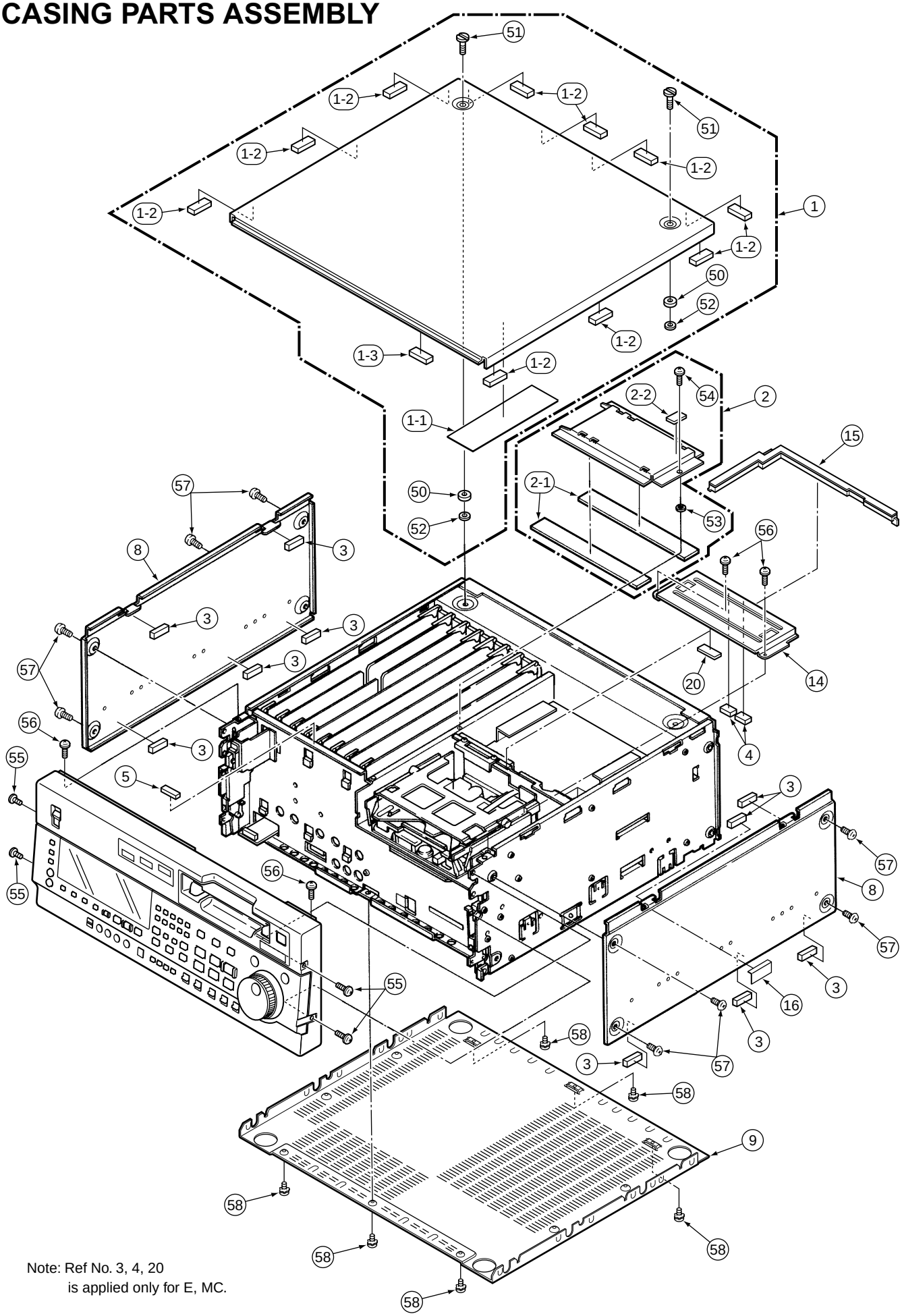


CASSETTE COMPARTMENT ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA7347	FRONT LOADING ASS'Y	1	(M)
2	VMS5865	MAIN SHAFT	1	
3	VMA9849	TOP PLATE	1	
4	VMA0M72	FRONT GUIDE 1 ASS'Y	1	
5	VMB3075	M GUIDE SPRING	2	
6	VML3191	M GUIDE RIGHT LEVER	1	
7	VML3192	M FRONT GUIDE	2	
8	VML3190	M GUIDE LEFT LEVER	1	
9	VML3397	CASSETTE PROTECT PLATE	1	
11	VMZ3233	FPC PROTECTOR	1	
12	VMB2926	SPRING	1	
13	VML2A50	BLINDER PANEL OPENER	1	
14	VXA7355	R SIDE PLATE 1 ASS'Y	1	
15	VML3282	SUB RAIL (R)	1	
16	VEK7695	SIDE FLEXIBLE	1	
17	VXA5766	MAIN RACK R ASS'Y	1	
18	VDG1156	WIPER RACK	2	
19	VMZ3259	FPC COVER	1	
20	VDB1395	MAIN SHAFT ANGLE	2	
21	VDG1412	INTERLOCK GEAR	2	
22	VML3193	OPENER DRIVE ARM	1	
23	VXL2692	OPENER ANGLE ASS'Y	1	
24	VMB2979	SPRING	1	
25	VXA7353	SIDE PLATE L 1 ASS'Y	1	
26	VML3281	SUB RAIL (L)	1	
27	VDG1413	INTERAMEDIATE GEAR	1	
28	VDP1643	WIPER ROLLER	2	
29	VDG1414	CLUTCH GEAR	1	
30	VMB2980	CLUTCH SPRING	1	
31	VDG1236	WORM WHEEL	1	
32	VXA5848	MOTOR ANGLE (A) ASS'Y	1	
33	VXP1797	E.E SLOT IN WORM ASS'Y	1	
34	VXA5597	MOTOR ASS'Y	1	(M)
35	VMA9673	EMERGENCY ANGLE	1	
36	VEK7793	MOTOR P.C.BOARD	1	
37	VMA9668	HOLDER PLATE	1	
38	VEK7715	HOLDER FLEXIBLE ASS'Y	1	
39	VXA6075	MAIN RACK (L) ASS'Y	1	
40	VML3485	WIPER ARM (R)	1	
41	VMB3390	WIPER SPRING (L)	1	
42	VDG1163	WIPER GEAR	2	
43	VMB3391	WIPER ARM (L)	1	
44	VML3484	WIPER SPRING (R)	1	
45	VDP1642	CASSETTE GUIDE ROLLER (2)	2	
46	VDP1641	CASSETTE GUIDE ROLLER (1)	2	
47	VXA5757	CASSETTE HOLDER 1 ASS'Y	1	
48	VXA5758	ROD L	1	
49	VXA5759	ROD R	1	
50	VMB3064	SLIDE SPRING	2	
51	VML3249	SIDE GUIDE L	1	
52	VML3250	SIDE GUIDE R	1	
53	VMB3061	SLIDE GUIDE SPRING L	1	
54	VMB3062	SLIDE GUIDE SPRING R	1	
55	VMS6108	KICK OFF ROD SHAFT	2	
56	VML2A54	KICK OFF ARM L	1	
57	VML2A55	KICK OFF ARM R	1	
58	VMB2928	KICK OFF SPRING	2	
59	VML2A53	CASSETTE HOLDER ARM	2	
60	VMB2927	CASSETTE HOLDER SPRING	2	
61	VMX2833	M-L DETECT ROLLER	2	
62	VMS5882	CASSETTE HOLDER SHAFT	1	
63	VMB3253	M-L DETECT SPRING	2	
64	VMX2559	CASSETTE PRESSURE ROLLER(2)	3	
65	VMX2524	CASSETTE PRESSURE ROLLER(1)	2	
66	VDG1246	EMERGENCY GEAR	1	
67	VMB3109	EMERGENCY SPRING	1	
69	VEE9577	CABLE	1	
70	VMZ3040	SHIELD PLATE	1	
71	VMS7087	GUIDE LEVER PIN	1	
101	VMX0653	CUT WASHER	4	
102	VMX0967	CUT WASHER	14	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
103	VMX1061	WASHER	4	
104	XQN16+A2	SCREW	7	
105	XQN2+C4	SCREW	4	
108	XQN2+A3	SCREW	5	
109	LMHD16064	SCREW	11	
110	XUC25FP	E-RING	1	
111	XWGV2Z5G	WASHER	2	
113	VHD1323	SCREW	9	
114	XYN2+K4	SCREW	2	
E19	VEP80856A	CARRIGE P.C.BOARD	1	

CASING PARTS ASSEMBLY



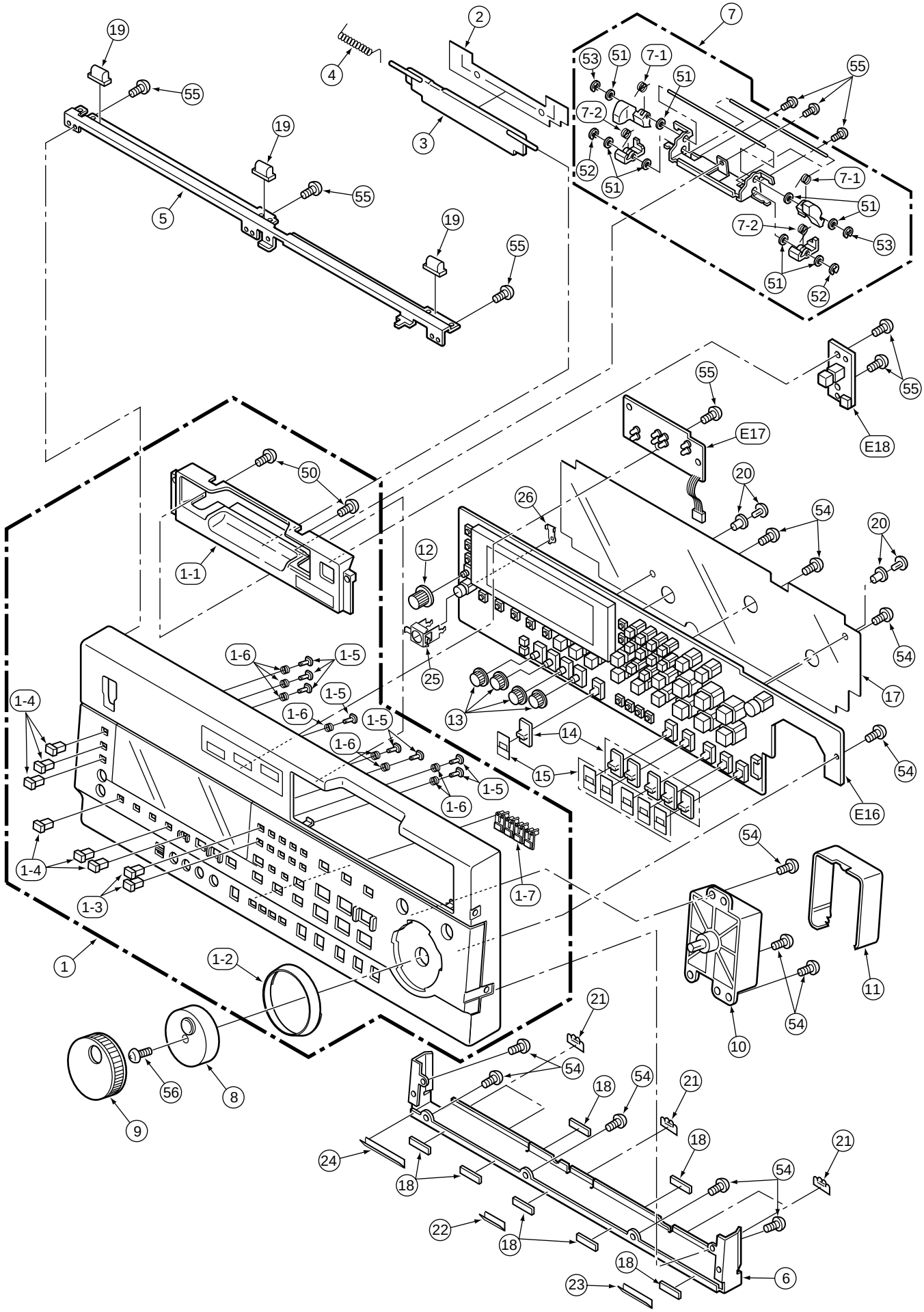
Note: Ref No. 3, 4, 20
is applied only for E, MC.

CASING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP7585	TOP PANEL	1	
1-1	VMZ2325	TOP PANEL BARRIER	1	
1-2	VMT0800	GASKET	10	
1-3	VMT0509	CONDUCTIVE CUSHION D	1	
2	VXA7463	P.C.B. PLATE ASS'Y	1	
2-1	VMT1222	P.C.B. RUBBER CUSHION L	2	
2-2	VMT0797	GASKET C	1	
5	VMT0493	CUSHION	1	
8	VGM1699	SIDE PANEL	2	
9	VKU0546	BOTTOM PLATE	1	
14	VMP5265	CARRIAGE SUPPORT METAL	1	
15	VXA6591	MECHA DUST PROOF (U)ASS'Y	1	
16	VGF0816	INSULATION SHEET	1	
50	VMX2510	SPACER	2	
51	VHD0775	SCREW	2	
52	VMX2582	WASHER	2	
53	VMX1558	NYLON WASHER	1	
54	XYN3+K8	SCREW	1	
55	XSB3+8FZ	SCREW	4	
56	XTV3+6F	SCREW	4	
57	XSB4+8FC	SCREW	8	
58	XYE3+EF6	SCREW	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

FRONT PANEL ASSEMBLY

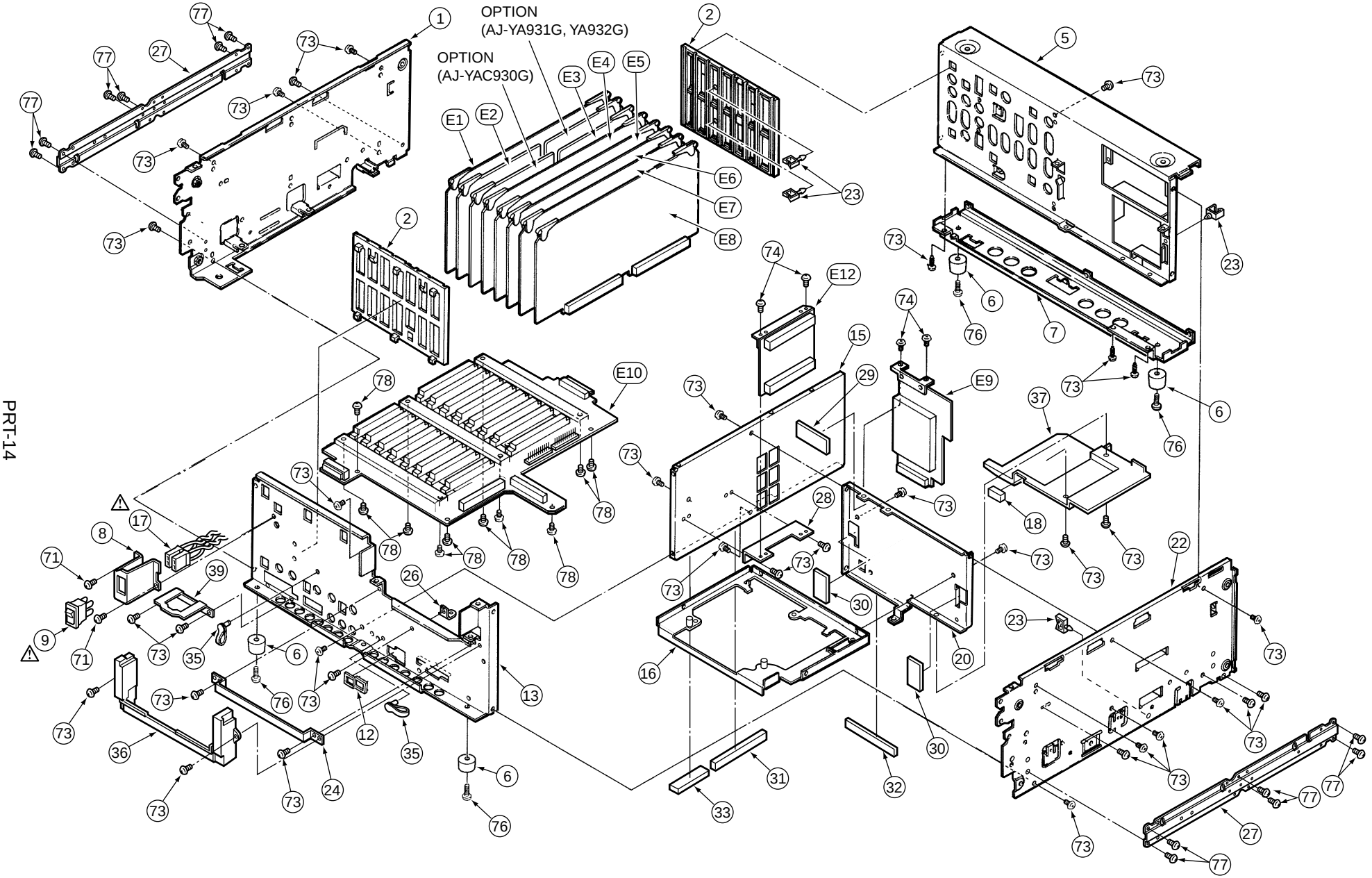


FRONT PANEL ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP8606	FRONT PANEL (1) ASS'Y	1	FOR AJ-SD930P
1	VYP8607	FRONT PANEL (1) ASS'Y	1	FOR AJ-SD955AP
1-1	VGP5792	CASSETTE INSERT GUIDE	1	
1-2	VGL1009	JOG RING	1	
1-3	VGU9189	PUSH BUTTON B	2	
1-4	VGU9190	PUSH BUTTON S	6	
1-5	VGQ3176	PUSH BUTTON	8	
1-6	VMB2597	KEY BUTTON COIL SPRING	8	
1-7	VGU7464	RESET BUTTON	4	
2	VGF0836	PANEL SHEET	1	
3	VKF3034	BLINDER PANEL	1	
4	VMB2923	BLINDER SPRING	1	FOR AJ-SD930P
4	VMB3417	BLINDER SPRING	1	FOR AJ-SD955AP
5	VMP7324	SUPPORT ANGLE (UPPER)	1	
6	VMP7299	SUPPORT ANGLE (LOWER)	1	FOR AJ-SD930P
6	VMP7532	SUPPORT ANGLE (LOWER)	1	FOR AJ-SD955AP
7	VYQ2511	CASSETTE GUIDE ASS'Y	1	
7-1	VMB3564	CASSETTE GUIDE SPRING	2	
7-2	VMB3565	CAM SPRING	2	
8	VGU8126	SEARCH DIAL KNOB	1	
9	VGU5780	SEARCH DIAL COVER	1	
10	VSP1120	SEARCH DIAL	1	
11	VGF0802	SEARCH DIAL COVER	1	
12	VGU5605	KNOB	1	
13	VGU7469	VR KNOB	4	
14	VGU7465	SLIDE KNOB	6	
15	VGH4377	SLIDE KNOB SHEET	6	
17	VMZ3290	FRONT INSULATION SHEET	1	
18	VMT0800	GASKET	7	
19	VMT0847	GASKET	3	
20	VJF0108	SPACER	2	
21	VSC5451	FRONT EARTH ANGLE	5	FOR AJ-SD930P
21	VSC5459	FRONT EARTH ANGLE	5	FOR AJ-SD955AP
22	VGF0949	FRONT ANGLE SHEET (A)	1	
23	VGF0950	FRONT ANGLE SHEET (B)	1	
24	VGF0951	FRONT ANGLE SHEET (C)	1	
25	VSC5409	HEADPHONE EARTH ANGLE	1	
26	VSC5450	EARTH ANGLE	1	
50	XTB2+6GFZ	SCREW	2	
51	VMX2562	WASHER	8	
52	XUC2FP	E-RING	2	
53	XUC25FP	E-RING	2	
54	XTN4+10G	SCREW	12	
55	XTV3+8G	SCREW	9	
56	XSN2+8	SCREW	1	
E16	VEP86327A	FRONT P.C.BOARD	1	FOR AJ-SD930P
E16	VEP86327B	FRONT P.C.BOARD	1	FOR AJ-SD955AP
E17	VEP80C43A	FRONT SUB P.C.BOARD	1	
E18	VEP80C42A	EJECT P.C.BOARD	1	

CHASSIS FRAME ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



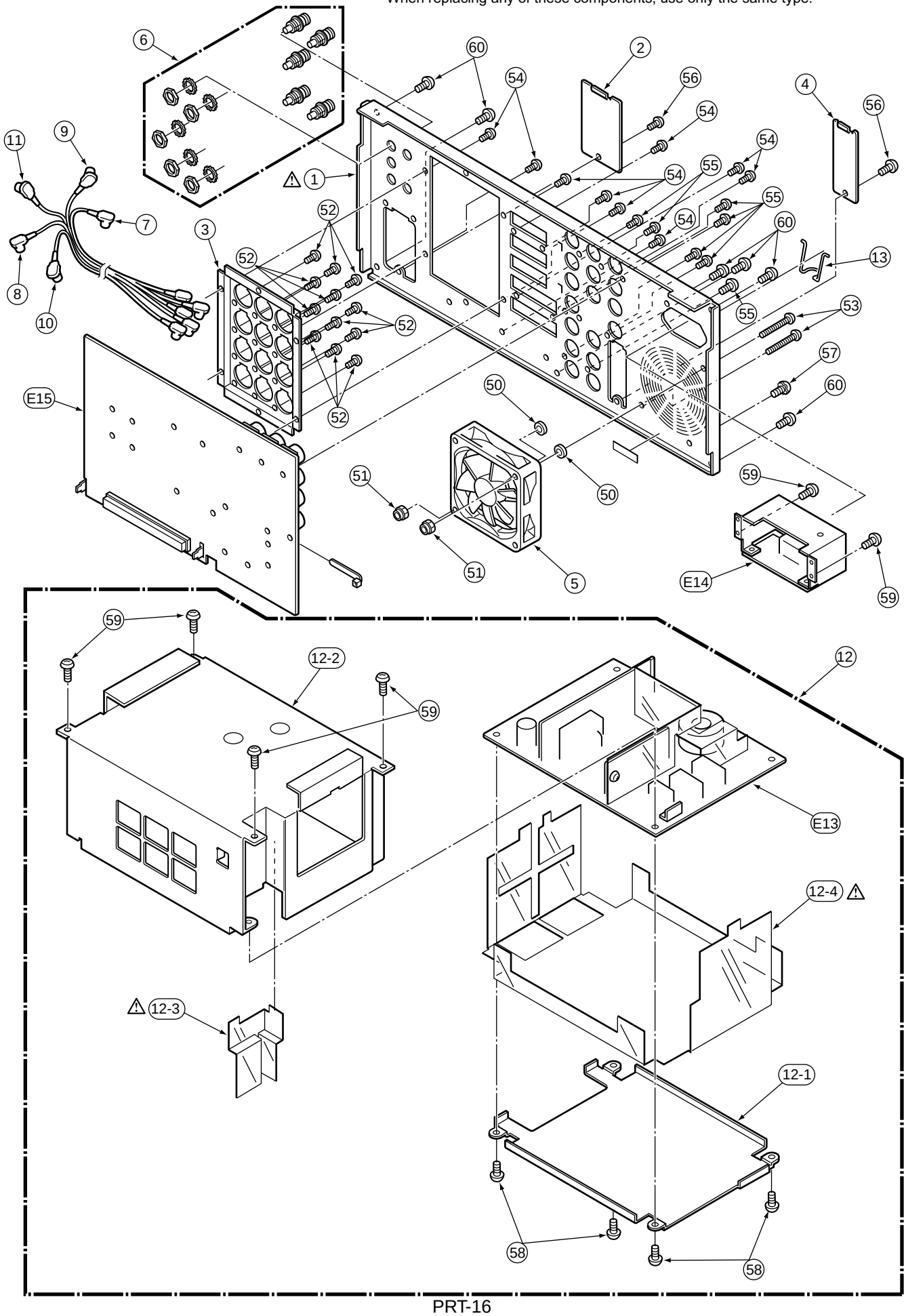
CHASSIS FRAME ASSEMBLY

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VMP6832	SIDE FRAME (L)	1	
2	VGQ4011	P.C.BOARD GUIDE RAIL A	2	
5	VMP6802	REAR FRAME	1	
6	VKA0117	PLASTIC FOOT	4	
7	VMP6020	BOTTOM FRAME	1	
8	VMP7302	SW BRACKET	1	
⚠ 9	K0AAKE000053	POWER SWITCH	1	
12	VJF1259	EDGE HOLDER	1	
13	VMP6803	FRONT FRAME	1	
15	VMP6800	CENTER FRAME	1	
16	VXA7029	MECHA FRAME ASS'Y	1	
⚠ 17	VEE0U47	AC CABLE	1	
18	VMT0968	DUST PROOF CUHION (D)	1	
20	VMP6801	MIDDLE FRAME	1	
22	VMP6833	SIDE FRAME (R)	1	
23	VJF0384	CLAMPER	4	
24	VMP6126	MECHA DUST PROOF (F)ASS'Y	1	
26	VMP5298	SAUB P.C.B. HOLDER ANGLE	1	
27	VMP6248	RACK MOUNT	2	
28	VMP6807	MECHA EXT FIX ANGLE	1	
29	VMT1014	DUST PROOF CUSHION (A)	1	
30	VMT1219	DUST PROOF CUSHION (A)	2	
31	VMT1044	DUST PROOF CUSHION (L)	1	
32	VMT1232	DUST PROOF CUSHION (B)	1	
33	VMT1043	CUSHION	1	
35	VJF0469	CLAMPER	2	
36	VXA7462	MECHA DUST PROOF (F)ASS'Y	1	
37	VXA7032	MECHA SHIELD (L) ASS'Y	1	
39	VMP7305	MOTHER SUPPORT ANGLE	1	
71	VHD5013	SCREW	2	
73	XTV3+6F	SCREW	35	
74	XTV3+6FFR	SCREW	4	
76	XYNV3+K12S	SCREW	4	
77	XTV4+6F	SCREW	12	
78	XYE3+EF6	SCREW	10	
E1	VEP84383A	AUDIO P.C.BOARD	1	
E2	VEP84384A	A PROC P.C.BOARD	1	
E3	VEP83605A	A SDI P.C.BOARD	1	
E4	VEP83596B	REC PB P.C.BOARD	1	FOR AJ-SD930P
E4	VEP83596C	REC PB P.C.BOARD	1	FOR AJ-SD955AP
E5	VEP83597B	V OUT P.C.BOARD	1	FOR AJ-SD930P
E5	VEP83597C	V OUT P.C.BOARD	1	FOR AJ-SD955AP
E6	VEP86326B	SYSCON P.C.BOARD	1	FOR AJ-SD930P
E6	VEP86326C	SYSCON P.C.BOARD	1	FOR AJ-SD955AP
E7	VEP82246B	SERVO P.C.BOARD	1	FOR AJ-SD930P
E7	VEP82246C	SERVO P.C.BOARD	1	FOR AJ-SD955AP
E8	VEP85207A	RF EQ P.C.BOARD	1	
E9	VEP85208A	RF CUE P.C.BOARD	1	
E10	VEP80C41A	MOTHER P.C.BOARD	1	
E12	VEP82247A	MECHA I/F 2 P.C.BOARD	1	

REAR PANEL ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



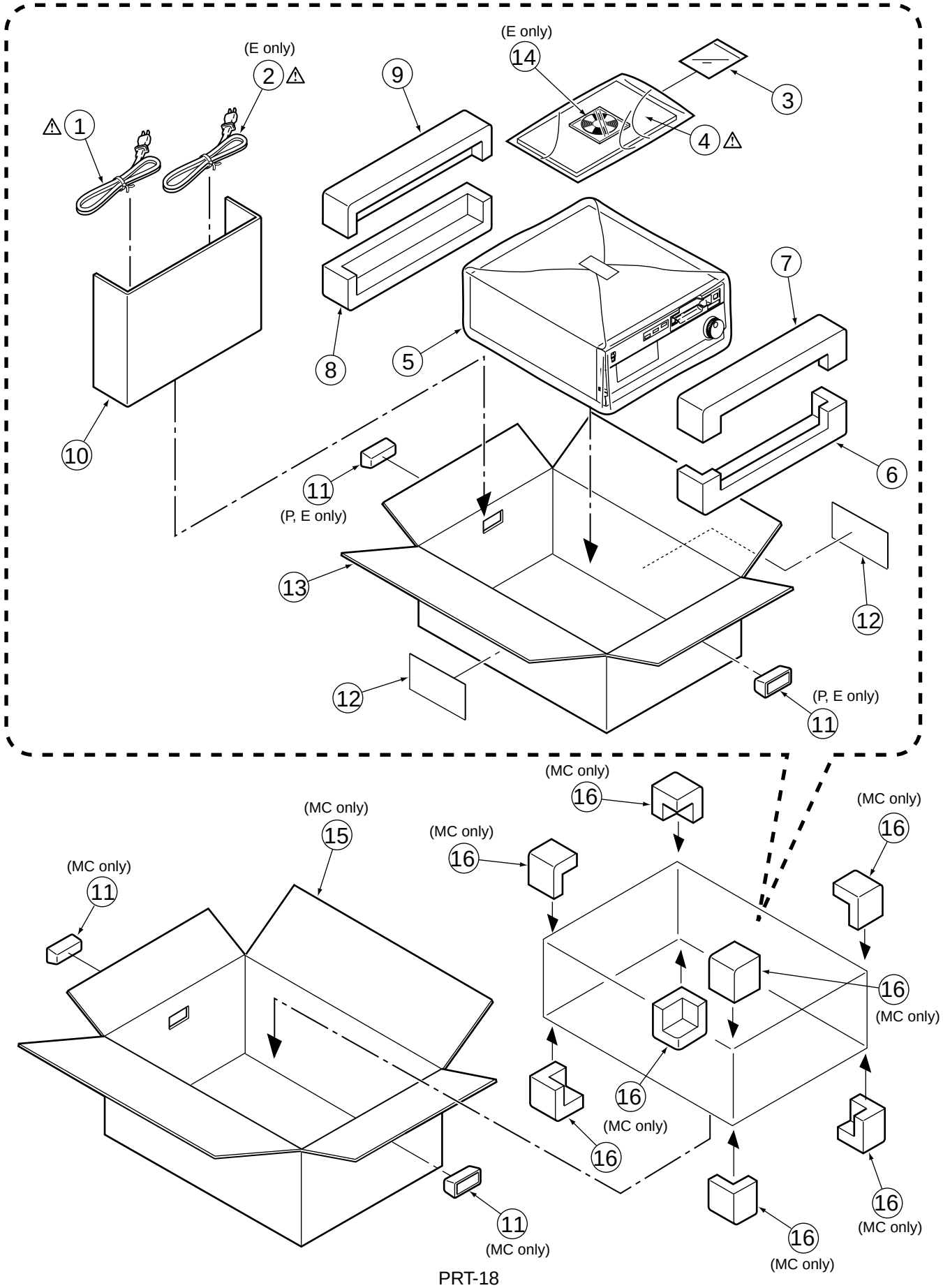
REAR PANEL ASSEMBLY

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VJH1220	JACK PANEL	1	
2	VMP5032	OPTION PANEL	1	
3	VMP7303	XLR HOLDER ANGLE	1	
4	VMP7304	BLANK PANEL	1	
5	VRF0190	FAN MOTOR	1	L6FALEFH0007
6	VJS3462	CONNECTOR (FEMALE)	5	K1SMBDBA0002
7	VEE9651	CABLE (BLACK)	1	K1RZBBB00003
8	VEE9653	CABLE	1	K1RZBBB00006
9	VEE9655	CABLE (ORANGE)	1	K1RZBBB00007
10	VEE9652	CABLE (RED)	1	K1RZBBB00008
11	VEE9654	CABLE (YELLOW)	1	K1RZBBB00009
12	VEK9821	POWER ASS'Y	1	
12-1	VSC5223	POWER CASE (LOWER)	1	
12-2	VSC5224	POWER CASE (UPPER)	1	
⚠ 12-3	VMZ3148	POWER BARRIER B	1	
⚠ 12-4	VMZ3304	POWER BARRIER	1	
13	VML2903	AC CORD HOOK	1	
50	VMX0835	SPACER	2	
51	VHN0063	NYLON NUT	2	
52	XSN26+6FZ	SCREW	12	
53	XSN4+35FC	SCREW	2	
54	XTN26+6FFZ	SCREW	9	
55	XTV3+10GFZ	SCREW	7	
56	XTV3+6FFZ	SCREW	2	
57	XYE4+EF8	SCREW	1	
58	XYN3+F8	SCREW	4	
59	XTV3+6FFR	SCREW	6	
60	XTV3+6F	SCREW	6	
E13	VEP81221C	POWER 1 P.C.BOARD	1	
E14	VEP81222A	POWER 2 P.C.BOARD	1	
E15	VEP80C40A	AV JACK P.C.BOARD	1	

PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



PACKING PARTS ASSEMBLY

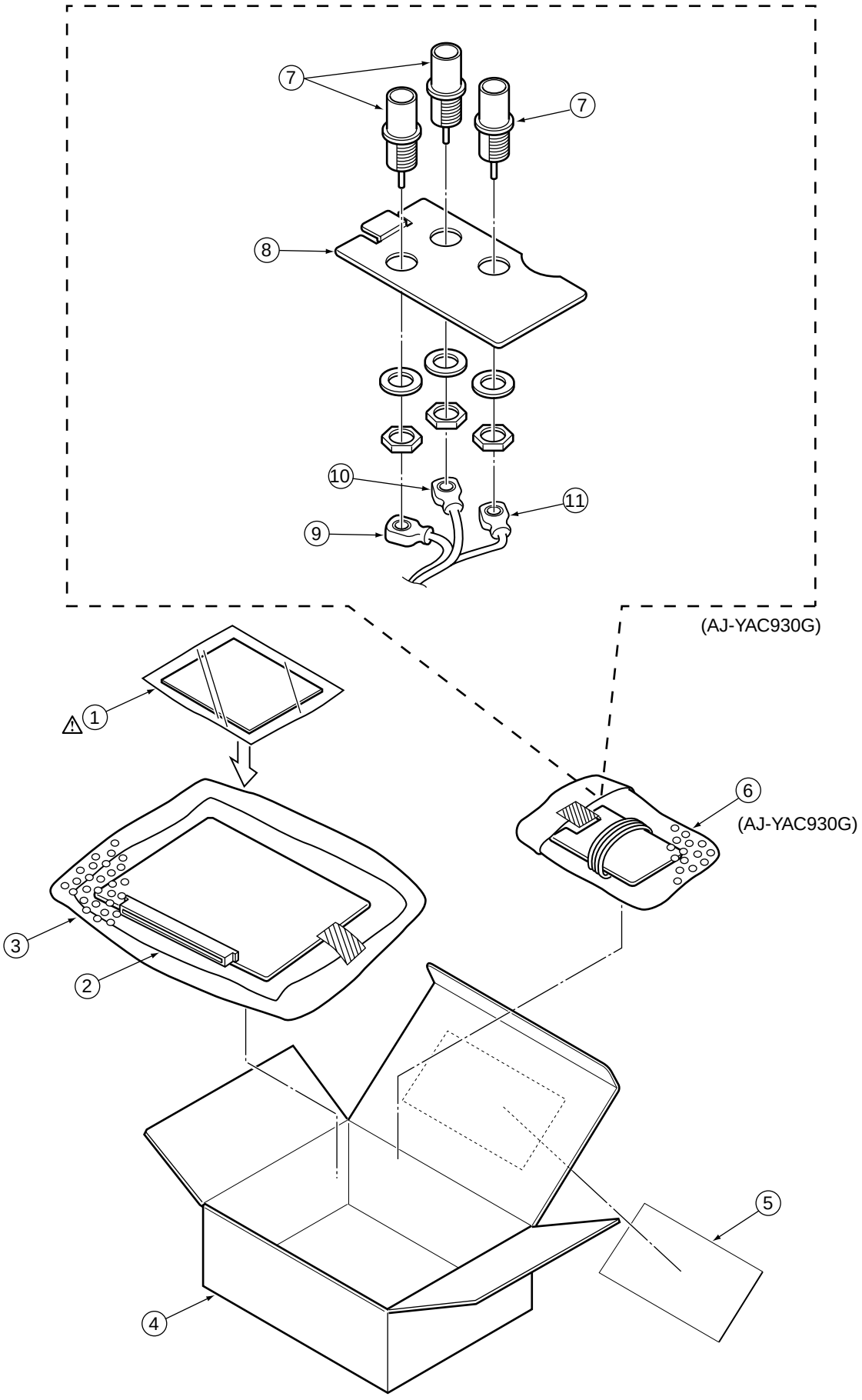
Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	K2CG3CH00001	AC CORD	1	
3	VXF0173	EMERGENCY EJECT ASS'Y	1	
⚠ 4	VQT9955	OPERATING INSTRUCTIONS	1	ENGLISH ONLY
5	VPF0277	POLYETHYLENE BAG	1	
6	VPN5801	CUSHION FD	1	
7	VPN4606	CUSHION	1	
8	VPN4304	CUSHION LL	1	
9	VPN4302	CUSHION UL	1	
10	VPN4305	ACCESSORY PAD	1	
11	VPF0149	HANDLE COVER	2	
12	VQL9821	PACKING LABEL	2	
13	VPG8654	PACKING CASE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

PACKING PARTS ASSEMBLY (AJ-YA931G, YA932G / AJ-YAC930G)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



PACKING PARTS ASSEMBLY (AJ-YA931G, YA932G / AJ-YAC930G)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VQT9965	OPERATING INSTRUCTIONS	1	AJ-YA931G
⚠ 1	VQT9966	OPERATING INSTRUCTIONS	1	AJ-YA932G
⚠ 1	VQT9964	OPERATING INSTRUCTIONS	1	AJ-YAC930G
2	VPF0359	POLYETHYLENE BAG	1	
3	VPF0678	AIR CAP	1	
4	VPG6296	PACKING CASE	1	
5	VQL9822	PACKING LABEL	1	
6	VPF0679	AIR BAG	1	AJ-YAC930G
7	VJS3462	CONNECTOR (FEMALE)	3	K1SMBDBA0002 AJ-YAC930G
8	VMP7306	JACK PANEL	1	AJ-YAC930G
9	VEE9651	CABLE (BLACK)	1	K1RZBBB00003 AJ-YAC930G
10	VEE9655	CABLE (ORANGE)	1	K1RZBBB00007 AJ-YAC930G
11	VEE9654	CABLE (YELLOW)	1	K1RZBBB00009 AJ-YAC930G

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMENT PARTS LIST (AJ-SD930P)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP84383A	F1 AUDIO P.C.BOARD	1	(RTL)
■ E2	VEP84384A	F2B A PROC P.C.BOARD	1	(RTL)
■ E3	VEP83605A	F3A SDI P.C.BOARD	1	(RTL)
■ E4	VEP83596B	F4 REC PB P.C.BOARD	1	(RTL)
■ E5	VEP83597B	F5 V OUT P.C.BOARD	1	(RTL)
■ E6	VEP86326B	F6 SYSCON P.C.BOARD	1	(RTL)
■ E7	VEP82246B	F7 SERVO P.C.BOARD	1	(RTL)
■ E8	VEP85207A	F8 RF EQ P.C.BOARD	1	(RTL)
■ E9	VEP85208A	RF CUE P.C.BOARD	1	(RTL)
■ E10	VEP80C41A	MOTHER P.C.BOARD	1	(RTL)
■ E11	VEP82239A	MECHA IF P.C.BOARD	1	(RTL)
■ E12	VEP82247A	MECHA IF 2 P.C.BOARD	1	(RTL)
■ E13	VEP81221C	POWER 1 P.C.BOARD	1	(RTL)
■ E14	VEP81222A	POWER 2 P.C.BOARD	1	(RTL)
■ E15	VEP80C40A	AV JACK P.C.BOARD	1	(RTL)
■ E16	VEP86327A	FRONT P.C.BOARD	1	(RTL)
■ E17	VEP80C43A	FRONT SUB P.C.BOARD	1	(RTL)
■ E18	VEP80C42A	EJECT P.C.BOARD	1	(RTL)
■ E19	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
■ E1	VEP84383A	F1 AUDIO P.C.BOARD	1	(RTL)
C4100-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4104-07	ECEA1HGE330	E.CAPACITOR 50V 33U	4	
C4114-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4118,19	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4120,21	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4126,27	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4128-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4134,35	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4200-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4204-07	ECEA1HGE330	E.CAPACITOR 50V 33U	4	
C4214-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4218,19	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4220,21	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4226,27	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4228-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4234,35	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4300-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4304-07	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4308-11	EEVHB1C220	E.CAPACITOR 16V 22U	4	
C4313,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4316,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4319,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4322,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4324-27	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4328	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4329-32	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C4334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4336	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4338	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4341	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4343	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4344	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4345	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4346,47	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4348,49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4350,51	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4352-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4356-59	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	4	
C4360	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4361-68	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	8	
C4373-76	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4451	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4454,55	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4456	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4457	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4458	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C4459,60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4461,62	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4463,64	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C4465-68	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	4	
C4469,70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4473,74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4475,76	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4477,78	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C4479-82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4483,84	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4487,88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4489,90	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4499	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4501	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4560,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4562,63	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4568,69	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4570,71	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4572,73	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4574,75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4576,77	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4578,79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4580,81	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4582-85	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4586,87	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4588,89	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C4590-93	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4598,99	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C4690,91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4692,93	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4698,99	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4700,01	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4702,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4704,05	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4706,07	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4708,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4710,11	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4712-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4716,17	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4718,19	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C4720-23	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4728,29	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C4820,21	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4822-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4828,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4832,33	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4834,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4836,37	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4838,39	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4844-47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4848,49	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4850,51	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4852-55	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4858-61	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4862,63	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4950	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4951	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4953,54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4955,56	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4957-63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C4964	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4965	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5001	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5003	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5007	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5008,09	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	2	
C5010	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5011,12	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C5014,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5017	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C5018-20	ECHU1C104J	P.CAPACITOR 16V 0.1U	3	
C5021,22	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C5023	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C5025,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C5028	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5030	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5031	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C5034	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5035	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C5036	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5037	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5039	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C5040	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5041	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C5042	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5043	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C5044	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5045	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5049-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5057-60	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C5066,67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5068	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C5200	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5201	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5202	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C5203	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C5207	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5209,10	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5214	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5215,16	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C5217	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5218	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C5219	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C5220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5225	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5226	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5228	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5400	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5402-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
D4100-03	MA3X15700L	DIODE	4	
D4104	MA3X71600L	DIODE	1	
D4200-03	MA3X15700L	DIODE	4	
D4204	MA3X71600L	DIODE	1	
D4450	MA147	DIODE	1	
D4451	MA142WK	DIODE	1	
D4453-55	MA142WK	DIODE	3	
D4460	MA142WK	DIODE	1	
D4562-65	MA3X15700L	DIODE	4	
D4566,67	MA142WA	DIODE	2	
D4692-95	MA3X15700L	DIODE	4	
D4696,97	MA142WA	DIODE	2	
D4820-23	MA3X15700L	DIODE	4	
D4824-26	MA142WA	DIODE	3	
D5001,02	MA3X71600L	DIODE	2	
D5200	MA152A	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D5201,02	MA3X15700L	DIODE	2	
FL4950	VLF1466B223	LINE FILTER	1	
IC4100,01	C0ABBB000184	IC	2	
IC4102,03	THC4052FT	IC	2	
IC4104	C0CBADD00003	IC	1	
IC4105	C0CBBDB00004	IC	1	
IC4106,07	C0ABBB000184	IC	2	
IC4110,11	C0ABBB000184	IC	2	
IC4112,13	THC4052FT	IC	2	
IC4200,01	C0ABBB000184	IC	2	
IC4202,03	THC4052FT	IC	2	
IC4204	C0CBADD00003	IC	1	
IC4205	C0CBBDB00004	IC	1	
IC4206,07	C0ABBB000184	IC	2	
IC4210,11	C0ABBB000184	IC	2	
IC4212,13	THC4052FT	IC	2	
IC4300	C0JBAZ001121	IC	1	
IC4301-04	C0ABBB000184	IC	4	
IC4306,07	C0FBZK000006	IC	2	
IC4308	C0CBABE00013	IC	1	
IC4309-12	C0ABBB000184	IC	4	
IC4313-16	THC4052FT	IC	4	
IC4450	C0FBBK000029	IC	1	
IC4451	C0CBADD00003	IC	1	
IC4452	C0CBBDB00004	IC	1	
IC4453,54	C0ABBB000184	IC	2	
IC4455	C0CBADD00003	IC	1	
IC4456	C0CBBDB00004	IC	1	
IC4457,58	THC4052FT	IC	2	
IC4459	C0CBADD00003	IC	1	
IC4460	C0CBBDB00004	IC	1	
IC4463,64	C0ABBB000184	IC	2	
IC4465	C0CBADC00063	IC	1	
IC4560,61	C0ABBB000184	IC	2	
IC4562,63	THC4052FT	IC	2	
IC4564-67	NJM4556AM	IC	4	C0ABBB000042
IC4690,91	C0ABBB000184	IC	2	
IC4692,93	THC4052FT	IC	2	
IC4694-97	NJM4556AM	IC	4	C0ABBB000042
IC4822,23	C0ABBB000184	IC	2	
IC4824,25	TC4W53FU	IC	2	
IC4826	THC4052FT	IC	1	
IC4827	NJM4556AM	IC	1	C0ABBB000042
IC4828	THC4052FT	IC	1	
IC4829-31	NJM4556AM	IC	3	C0ABBB000042
IC4832	C0ABBB000184	IC	1	
IC4950	C3BBFC000270	IC	1	
IC4951	C0CBAAB00021	IC	1	
IC4952	C1ZBZ0001836	IC	1	
IC5001-03	C0ABBB000184	IC	3	
IC5004	C0JBAS000075	IC	1	
IC5005,06	C0ABBB000184	IC	2	
IC5008	C0JBAS000075	IC	1	
IC5009	C1BB00000311	IC	1	
IC5010	C0ABBB000184	IC	1	
IC5011	THC4052FT	IC	1	
IC5013	C0CBADD00003	IC	1	
IC5015	C0ABBB000184	IC	1	
IC5016	C0CBBDB00004	IC	1	
IC5017	C0CBADD00003	IC	1	
IC5019	C0CBBDB00004	IC	1	
IC5020	NJM78L09UA	IC	1	C0CBAHC00002
IC5200	C0JBAZ001121	IC	1	
IC5202	C0FBZH000011	IC	1	
IC5203	C0ABBB000184	IC	1	
IC5204	C0CBABE00013	IC	1	
IC5401	C0JBAZ001003	IC	1	
IC5402	C0JBAZ001137	IC	1	
IC5404	C0JBAZ001121	IC	1	
IC5405	C0JBAA000261	IC	1	
ID5400	VVVSI3891	SOFTWARE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IP5400	C1ZBZ0001555	IC	1	
L4950	VLF1151A132	COIL	1	
P4001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P5400	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q4450-53	2SB1219A-R	TRANSISTOR	4	
Q4454,55	2SD1979	TRANSISTOR	2	
Q4560,61	2SD1979	TRANSISTOR	2	
Q4562	2SD602A-R	TRANSISTOR	1	
Q4563	2SB710A-R	TRANSISTOR	1	
Q4564-69	2SD1328	TRANSISTOR	6	
Q4690,91	2SD1979	TRANSISTOR	2	
Q4692	2SD602A-R	TRANSISTOR	1	
Q4693	2SB710A-R	TRANSISTOR	1	
Q4694-99	2SD1328	TRANSISTOR	6	
Q4820	2SD602A-R	TRANSISTOR	1	
Q4821	2SB710A-R	TRANSISTOR	1	
Q4822-29	2SD1328	TRANSISTOR	8	
Q5200-02	2SD1328	TRANSISTOR	3	
QR4450-53	UNR521300L	TRANSISTOR	4	
QR4454,55	UNR511300L	TRANSISTOR	2	
QR4560,61	UNR521300L	TRANSISTOR	2	
QR4562,63	UNR511300L	TRANSISTOR	2	
QR4690,91	UNR521300L	TRANSISTOR	2	
QR4692,93	UNR511300L	TRANSISTOR	2	
R4001	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4030,31	ERDS2TJ392	C.RESISTOR 1/4W 3.9K	2	D0AE392JA045
R4100,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4102,03	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4104,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4106-09	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4110-13	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4114	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4115	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4116	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4117	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4118	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4119	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4120	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4121	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4122	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4123	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4124	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4125	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4126-29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4130	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4131	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4132	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4133	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4134	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4135	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4136	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4137	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4138	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4139	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4140	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4141	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4142-47	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4148,49	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4150,51	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4152,53	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R4154,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4156,57	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4160,61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4162,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4164,65	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4166	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4168	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4170	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4171	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4172	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4173	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4174	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4175	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4176	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4177	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4178	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4179	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4180	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4181	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4182	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4183	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4184	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4185	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4186,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4188,89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4190,91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4200,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4202,03	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4204,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4206-09	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4210-13	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4214	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4215	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4216	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4217	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4218	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4219	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4220	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4221	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4222	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4223	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4224	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4225	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4226-29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4230	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4231	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4232	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4233	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4234	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4235	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4236	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4237	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4238	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4239	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4240	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4241	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4242-47	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4248,49	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4250,51	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4252,53	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R4254,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4256,57	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4260,61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4262,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4264,65	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4266	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4268	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4271	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4272	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4273	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4274	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4275	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4276	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4277	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4278	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4279	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4280	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4281	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4282	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4283	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4284	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4285	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4286,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4288,89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4290,91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4300	D1H84704A008	COMBI.R-R 47	1	
R4301	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4302,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4304-15	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	12	
R4316-19	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	4	
R4320-27	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4328-35	ERJ3RBD331	M.RESISTOR CH 1/16W 330	8	
R4336,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4338,39	D1H84704A008	COMBI.R-R 47	2	
R4340-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4344	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4346	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4347-49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4350-61	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	12	
R4362-69	ERJ3RBD201	M.RESISTOR CH 1/16W 200	8	
R4370-73	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4378-81	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	4	
R4382	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4383	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4384	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4385	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4386	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4387	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4388	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4389	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4390	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4391	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4392	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4393	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4394	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4395	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4396	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4397	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4398	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4399	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4400	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4401	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4402	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4403	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4404	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4405	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4406	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4407	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4408	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4409	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4410-14	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R4417,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4454	D1H84704A008	COMBI.R-R 47	1	
R4455,56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4457	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4458	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4459,60	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4461	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4462	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4463	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4464	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4465	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4466	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4468-71	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4472	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4473,74	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4475-78	ERJ3RBD201	M.RESISTOR CH 1/16W 200	4	
R4479	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4481,82	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4485,86	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	2	
R4487	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4488	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4489	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4490	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4491	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4492	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4493	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4494	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4495	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4496	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4497	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4498	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4499	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4500	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4501,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4505,06	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4507,08	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4511	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4512	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4513	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4514	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4515	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4516	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4517,18	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4519,20	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4521,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4523,24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4527-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R4534	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4560,61	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4564,65	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4566,67	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4568,69	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4570	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4571	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4572	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4573	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4574	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4575	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4576,77	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4578,79	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4580,81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4582,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4586,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4588,89	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4590,91	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4592	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4593	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4594	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4595	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4596	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4597	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4598	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4599	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4600	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4601	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4602	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4603	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4604	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4605	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4606-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4610,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4612,13	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4616,17	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4618,19	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4620,21	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4622-29	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4630-33	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4634,35	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4636-39	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4640,41	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4642-45	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4646-49	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4650-53	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4654-61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4690,91	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4694,95	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4696,97	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4698,99	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4700	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4701	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4702	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4703	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4704	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4705	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4706,07	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4708,09	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4710,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4712,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4716,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4718,19	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4720,21	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4722	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4723	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4724	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4725	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4726	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4727	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4728	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4729	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4730-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4734	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4735	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4736	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4737	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4738	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4739	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4740,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4742,43	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4746,47	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4748,49	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4750,51	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4752-59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4760-63	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4764,65	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4766-69	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4770,71	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4772-75	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4776-79	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4780-83	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4784-91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4820,21	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4822,23	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	2	
R4824,25	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4826	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4828	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4830,31	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4832,33	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R4834-39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R4840,41	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4842	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4843	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4844	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4845	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4846	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4847	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4848	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4849	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4850	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4851	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4852	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4853	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4854	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4855	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4856,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4858,59	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4862,63	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4864,65	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4866,67	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	2	
R4868-75	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4876-79	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4880,81	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4882-85	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4886,87	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4888-91	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4892,93	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4894,95	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4896,97	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4898,99	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4900,01	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4902,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4904,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4906	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4907	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4908	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4909	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4911-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4950-53	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R4954	D1H810140001	COMBI.R-R 100	1	
R4958	D1H84734A008	COMBI.R-R 47K	1	
R4960,61	D1H84734A008	COMBI.R-R 47K	2	
R4965	D1H84734A008	COMBI.R-R 47K	1	
R4967-69	D1H84734A008	COMBI.R-R 47K	3	
R4971-74	D1H84734A008	COMBI.R-R 47K	4	
R4979	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5001	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5003	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5004,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5006	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R5008	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5010	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5012	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5014	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5015	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5017	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5018	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5020	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R5022	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5024	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5025	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5026	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5027	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5029	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5030	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5032	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5033	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5035	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R5037	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5038	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5039	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R5041	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5043	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5045,46	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5047	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R5049	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5050,51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5052	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5053,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5055-57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R5059	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5060	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5061,62	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5071	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5078	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R5079	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5080	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5081	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5082	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5084	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5085	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5086	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5088	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5089	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5090	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5201	D1H84704A008	COMBI.R-R 47	1	
R5202	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5204	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5205	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5206	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5207	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5208	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R5209	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5211	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R5212	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5213	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R5215	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R5216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5217	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R5218	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5219	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5221,22	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5226	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5228,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5231	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5232	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5236	D1H84704A008	COMBI.R-R 47	1	
R5237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5238	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5239	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R5241	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5242	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5400	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5402,03	D0GZ220J0001	M.RESISTOR CH 22	2	
R5405	D1H810240001	COMBI.R-R 1K	1	
R5406	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5407,08	D1H84734A008	COMBI.R-R 47K	2	
R5409	D0GZ103J0001	M.RESISTOR CH 10K	1	
SW4100,01	VSS0126	SWITCH	2	
SW4200,01	VSS0126	SWITCH	2	
TG4100	EYF6CU	TEST POINT	1	
TG4200	EYF6CU	TEST POINT	1	
TG4300	EYF6CU	TEST POINT	1	
TG5001	EYF6CU	TEST POINT	1	
TP4300-02	EYF6CU	TEST POINT	3	
TP4560,61	EYF6CU	TEST POINT	2	
TP4690,91	EYF6CU	TEST POINT	2	
TP4820,21	EYF6CU	TEST POINT	2	
TP5002	EYF6CU	TEST POINT	1	
TP5200	EYF6CU	TEST POINT	1	
VR4300-03	EVMEGSA00B53	V.RESISTOR 5K	4	
VR4450,51	EVMEGSA00B14	V.RESISTOR 10K	2	
VR4560,61	EVMEGSA00B14	V.RESISTOR 10K	2	
VR4690,91	EVMEGSA00B14	V.RESISTOR 10K	2	
VR5001	EVMEGSA00B24	V.RESISTOR 20K	1	
VR5003,04	EVMEGSA00B53	V.RESISTOR 5K	2	
VR5006	EVMEGSA00B24	V.RESISTOR 20K	1	
VR5007	EVMEGSA00B14	V.RESISTOR 10K	1	
VR5009	EVMEGSA00B14	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E2	VEP84384A	F2B A PROC P.C.BOARD	1	(RTL)
C4055	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4056	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4061-63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4064,65	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4066,67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4100-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4103	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4150-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4300,01	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4302,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4305,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4350-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4400	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4401-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C4500	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4501-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C4550	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4551-58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C4600	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4601	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4602-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4653,54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4655,56	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
IC4052,53	C0CBAAB00021	IC	2	
IC4100	C0JBAZ001121	IC	1	
IC4101	C0JBAZ001137	IC	1	
IC4102	C0JBAZ001121	IC	1	
IC4150-52	C0JBAZ001003	IC	3	
IC4301	C0ZBZ0000363	IC	1	
IC4302	C0JBAZ001003	IC	1	
IC4350	C0JBAZ001003	IC	1	
IC4400	C1ZBZ0001836	IC	1	
IC4500	C1ZBZ0001836	IC	1	
IC4550,51	C3BBFC000270	IC	2	
IC4552	C1AB00001135	IC	1	
IC4553,54	C3BBFC000270	IC	2	
IC4601	UPD65949G076	IC	1	C1AB00000858
IC4602	C3BBFC000270	IC	1	
IC4651,52	C5AB00000006	IC	2	
ID4351	VVVSI3878A	SOFTWARE	1	
IP4351	C1ZBZ0001555	IC	1	
L4052	VLF1151A132	COIL	1	
L4301	VLQ0319K470	COIL 47UH	1	G1C470K00013
P4001	K1KA96B00032	CONNECTOR (MALE)	1	
P4350	K1KA08B00147	CONNECTOR (FEMALE)	1	
R4001	D1H810140001	COMBI.R-R 100	1	
R4100	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4101,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4103,04	D1H84734A008	COMBI.R-R 47K	2	
R4105,06	D0GZ220J0001	M.RESISTOR CH 22	2	
R4150-52	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4153,54	D1H84704A008	COMBI.R-R 47	2	
R4155,56	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4157	D1H84704A008	COMBI.R-R 47	1	
R4160-64	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R4301	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4302	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4303-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R4310	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4350	D1H810240001	COMBI.R-R 1K	1	
R4351	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4352	D0GZ103J0001	M.RESISTOR CH 10K	1	
R4400,01	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
R4410,11	D1H84734A008	COMBI.R-R 47K	2	
R4412	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4500,01	D1H84734A008	COMBI.R-R 47K	2	
R4502	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4550	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4551	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4554	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4600	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
TG4001	EYF6CU	TEST POINT	1	
TP4409	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E3	VEP83605A	F3A SDI P.C.BOARD	1	(RTL)
C3000,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3002	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3003	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3004-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3007	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3008	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3009	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3100,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3103,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3107	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3200	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3202	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3203	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3204-06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C3207	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3208	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3209	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C3210	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C3211	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C3212	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3213,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3215,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3217	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3218	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3219	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3221	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3222	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3223	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3224	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3225	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3226	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3227	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3228	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C3330-38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3400-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3410,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3412	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3413-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3416	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3417	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3418	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3419	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3424-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3427-29	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3430	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3500-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3507-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3521	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3523	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3524	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3525	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3527	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3529	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3530	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3531	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3532	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3533,34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
D3201,02	MA3J14300L	DIODE	2	
IC3000	C0CBAAG00011	IC	1	
IC3102,03	C0JBAZ001121	IC	2	
IC3104,05	C0JBAZ001137	IC	2	
IC3200	LT1086CM	IC	1	C0CBAYG00001
IC3201	C1AB00001385	IC	1	
IC3203	GS9028-CKA	IC	1	C1AB00000365
IC3204	C1AB00001651	IC	1	
IC3300	C0JBAZ001728	IC	1	
IC3301	C1AB00001648	IC	1	
IC3400	C0JBAZ001728	IC	1	
IC3401	C1AB00001648	IC	1	
IC3402	C1AB00001386	IC	1	
IC3403	C0CBABE00013	IC	1	
IC3404	LT1086CM	IC	1	C0CBAYG00001
IC3405	C0JBAZ001121	IC	1	
IC3500,01	C0JBAZ001121	IC	2	
IC3502	C1ZBZ0001837	IC	1	
IC3505	UPD6456T611Y	IC	1	C1AB00000555
IC3507	C1AB00001386	IC	1	
IC3508	C0JBAZ001003	IC	1	
IC3509,10	C0JBAZ001121	IC	2	
ID3503	VVVSI3855	SOFRWARE	1	
IP3503	C3ZBH0000010	IC	1	
J3200,01	K1QZA1BA0001	CONNECTOR	2	
J3400,01	K1QZA1BA0001	CONNECTOR	2	
J3500	K1QZA1BA0001	CONNECTOR	1	
L3000,01	VLF1151A132	COIL	2	
L3200	VLQ0426J015	COIL 15UH	1	
L3201,02	VLQ0426J010	COIL 1UH	2	
L3400,01	VLQ0426J010	COIL 1UH	2	
L3500,01	VLQ0426J010	COIL 1UH	2	
P3000	K1KA96B00032	CONNECTOR (MALE)	1	
P3500	K1KA08B00147	CONNECTOR (FEMALE)	1	
R3100,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3102-05	D1H84734A008	COMBI.R-R 47K	4	
R3106	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3200	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R3201	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R3202,03	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3205	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3206,07	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R3208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3209	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3210	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R3212	ERJ3EKF3650	M.RESISTOR CH 1/16W 3.6M	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3214-17	ERJ3RED910	M.RESISTOR CH 1/16W 91	4	
R3218	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R3219-22	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R3223	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3224	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3225	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3226-28	D1H810140001	COMBI.R-R 100	3	
R3229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3230	ERJ6RBD361	M.RESISTOR CH 1/10W 360	1	
R3231	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R3331-33	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	3	
R3334	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3335	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3336	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3337	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3400	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3401-03	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	3	
R3404	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3405-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3409	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3413	ERJ3EKF3740	M.RESISTOR CH 1/16W 370K	1	
R3414	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3415	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3416-19	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R3420	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3421,22	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3423	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3424	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3425	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R3426	ERJ6RBD361	M.RESISTOR CH 1/10W 360	1	
R3427	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R3428-30	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	3	
R3431,32	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3500,01	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R3502-04	D1H810140001	COMBI.R-R 100	3	
R3505,06	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3508	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3509	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3512,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3514	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3515	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3516-18	D1H810140001	COMBI.R-R 100	3	
R3519	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3520	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3521	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3522-24	D1H810140001	COMBI.R-R 100	3	
R3526	ERJ3EKF3740	M.RESISTOR CH 1/16W 370K	1	
R3527	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3528	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3529	D1H833040002	COMBI.R-R 33	1	
R3530,31	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3533-37	ERJ6RED750	M.RESISTOR CH 1/10W 75	5	
R3538-41	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3542	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3543	D1H84734A008	COMBI.R-R 47K	1	
R3545,46	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
TG3000	EYF6CU	TEST POINT	1	
TG3200	EYF6CU	TEST POINT	1	
TG3400	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E4	VEP83596B	F4 REC PB P.C.BOARD	1	(RTL)
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3013-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3020	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3021-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3026,27	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3028-30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3031	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3032-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3041-44	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3045,46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3047,48	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3050	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3051,52	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3053-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3056	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3057	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3058,59	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3061-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3065	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3066	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3067	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3069,70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3071	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3072	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3073	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3074	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3075	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3076	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3077	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3079	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3080-92	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C3150	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3151-70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	20	
C3171	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3172	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3173	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3174	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3180	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3181	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3182	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3183	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3184-87	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3200-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3210-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3218	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3219	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3240	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3241	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3242-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3260-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C3275	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3276	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3277	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3278	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3279	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3280,81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3290-93	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3300-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3304	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3305	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3307	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3308	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3309-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
C3325	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3326	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3350-62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C3363	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3364-68	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3380-85	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3450-57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3460-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3472	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3473-75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3500	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3501-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3550-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3554	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3555,56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3557	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3558	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3559-61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3562	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3600-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3611	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3612-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3640	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3641	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3642-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3670-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3673-75	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3676	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3677	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3678	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3679	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3680-82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3700-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3703,04	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3705,06	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C3707	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3708,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3710,11	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	2	
C3712	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3713	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3714	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3715	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3716	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3717	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3718	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C3719,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3721	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3722	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3723	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3724,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3750	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3752-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3770-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3801-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3808-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3812	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3841	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3842	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3843	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3845	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3846	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3847-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3857	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3858,59	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	2	
C3860	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3951-59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
D3010	MA3X71600L	DIODE	1	
D3051,52	MA3J14300L	DIODE	2	
D3670	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
FL3700	VLF1462	FILTER	1	
IC3010	LT1086CM	IC	1	C0CBAYG00001
IC3011	C0CBAAB00021	IC	1	
IC3012	NJM78L09UA	IC	1	C0CBAHC00002
IC3013	C0JBAZ001121	IC	1	
IC3014	C0JBAZ001003	IC	1	
IC3015	NJM79L09UA	IC	1	C0CABBF00001
IC3018	XC62FP3202P	IC	1	
IC3019	C0CBADC00063	IC	1	
IC3020	C0CBBDB00004	IC	1	
IC3050	C0JBAZ001437	IC	1	
IC3051,52	C0ABEB000023	IC	2	
IC3053	TLC2933IPW	IC	1	C0ABFA000012
IC3054	C0JBAF000224	IC	1	
IC3055	BH7086KV	IC	1	C1ZBZ0001649
IC3056	C0JBAB000422	IC	1	
IC3057	C0JBAB000350	IC	1	
IC3058	C0JBAB000422	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3059	C0JBAB000350	IC	1	
IC3060	TLCX257FT	IC	1	
IC3061	C0JBAZ001728	IC	1	
IC3062	C0JBAZ000851	IC	1	
IC3063	TLCX257FT	IC	1	
IC3064-66	C0JBAZ001728	IC	3	
IC3150	C0JBAZ001121	IC	1	
IC3151	C1ZBZ0001836	IC	1	
IC3152	MS51V8221-3G	IC	1	
IC3153	C0JBAF000315	IC	1	
IC3154	C0JBAZ001121	IC	1	
IC3180	L7A1644	IC	1	C1AA00000231
IC3200,01	MN47V07AF	IC	2	
IC3210	MN673797A	IC	1	
IC3211	C0JBAZ001121	IC	1	
IC3240	T220E7202AF1	IC	1	
IC3260	C1ZBZ0001836	IC	1	
IC3261	C0JBAE000238	IC	1	
IC3290-93	MS51V8221-3G	IC	4	
IC3300	MN7F008B4C	IC	1	
IC3301	C3ABQG000041	IC	1	
IC3302	C0JBAB000397	IC	1	
IC3303,04	C0JBAZ000851	IC	2	
IC3350	C1ZBZ0001836	IC	1	
IC3351	DS90LV047A	IC	1	C0ZBZ0000279
IC3352	C0JBAZ001121	IC	1	
IC3380,81	DS90LV048A	IC	2	C0ZBZ0000280
IC3382-85	C0JBAZ000851	IC	4	
IC3450	MN7F008B4C	IC	1	
IC3451,52	C3ABQG000041	IC	2	
IC3500	TLCX257FT	IC	1	
IC3501	MN673797A	IC	1	
IC3502	C0JBAR000368	IC	1	
IC3503,04	C0JBAZ001121	IC	2	
IC3550	L7A1644	IC	1	C1AA00000231
IC3551-54	C0JBAZ001728	IC	4	
IC3600,01	MN47V07AF	IC	2	
IC3610	UPD65943G028	IC	1	
IC3640	T220E7202AF1	IC	1	
IC3670	C0JBAZ001437	IC	1	
IC3674	C0ABEB000023	IC	1	
IC3676	TC7W241FU	IC	1	
IC3704	TC4W53FU	IC	1	
IC3705	LT1228CS8	IC	1	
IC3706	C0FBAD000002	IC	1	
IC3750,51	MS51V8221-3G	IC	2	
IC3752,53	C0JBAF000414	IC	2	
IC3770-74	C0JBAZ001121	IC	5	
IC3801,02	C0JBAZ001121	IC	2	
IC3803	C0JBAZ001137	IC	1	
IC3842	TC7W241FU	IC	1	
IC3951	C0JBAZ001137	IC	1	
IC3952,53	C0JBAA000174	IC	2	
IC3955	TC7W241FU	IC	1	
IC3956	C0JBAZ001003	IC	1	
IC3959	C0JBAB000350	IC	1	
ID0	VVVSI3926	SOFTWARE	1	
ID3841	VVVSI3927D	SOFTWARE	1	
IP3016,17	C1ZBZ0001555	IC	2	
IP3841	C2GBC0000084	MICRO CONTROLLER	1	
L3010,11	VLF1151A132	COIL	2	
L3050-56	VLQ0319K470	COIL 47UH	7	G1C470K00013
L3150,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3260,61	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3300	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3550	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3670-72	VLQ0319K470	COIL 47UH	3	G1C470K00013
L3700-03	VLQ0319K470	COIL 47UH	4	G1C470K00013
L3704,05	VLQ0163J390	COIL 39UH	2	
L3706,07	VLQ0163J150	COIL 15UH	2	
L3708	VLQ0319K470	COIL 47UH	1	G1C470K00013

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3841	VLQ0319K470	COIL 47UH	1	G1C470K00013
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
P3841	K1KA10A00303	CONNECTOR (MALE)	1	
P3951	VJS3791B020	CONNECTOR (FEMALE)	1	
Q3700	2SB0709ALL	TRANSISTOR	1	
Q3701	2SA1532-B	TRANSISTOR	1	
Q3702	2SB0709ALL	TRANSISTOR	1	
R3011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3012	D1H810240001	COMBI.R-R 1K	1	
R3013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3016,17	D1H810240001	COMBI.R-R 1K	2	
R3018,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3020	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3022	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3024-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3028	D1H810240001	COMBI.R-R 1K	1	
R3029,30	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3034	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3035	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R3050	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3052,53	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3054	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3055	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3056,57	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3058	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3060	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3061	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3062,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3064	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3066	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3067	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3068	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3069	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3070,71	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3072	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3073	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3076	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3077	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3078	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3079	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3080	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3081	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3082	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3086,87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3088	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3089	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091-93	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3094-96	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3099-10	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	12	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3113,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3116	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3150	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3151	D1H84734A008	COMBI.R-R 47K	1	
R3152	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3153	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3154	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3155,56	D1H84734A008	COMBI.R-R 47K	2	
R3157	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3158,59	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3160	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3162	D1H84734A008	COMBI.R-R 47K	1	
R3163,64	D1H84704A008	COMBI.R-R 47	2	
R3166	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3180	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3181	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3182,83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3184	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3185	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3186,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3188,89	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3190	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3210	D1H84734A008	COMBI.R-R 47K	1	
R3212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3215,16	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3217,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3219-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R3225,26	D1H810140001	COMBI.R-R 100	2	
R3227,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3229,30	D1H810240001	COMBI.R-R 1K	2	
R3240-44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3245	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3246-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3260	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3261	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3262	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3263	D1H810240001	COMBI.R-R 1K	1	
R3264	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3265	D1H810240001	COMBI.R-R 1K	1	
R3266-68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3290-93	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3300,01	D1H810240001	COMBI.R-R 1K	2	
R3302	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3304	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3307	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3308	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3310,11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3312	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3313-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3323	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3350-55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R3356	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3357-60	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3362-67	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3368	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3370-72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3373	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3374,75	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3385-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R3393,94	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3395-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R3403,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409-12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3452-55	D0GZ103J0001	M.RESISTOR CH 10K	4	
R3456	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3460	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3461-64	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3465-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3468	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3469,70	D1H810240001	COMBI.R-R 1K	2	
R3471-74	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3475-77	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3478-82	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R3483-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3486	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3500	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3501	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3502-05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3507,08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3511,12	D1H810140001	COMBI.R-R 100	2	
R3513	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3516	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3517,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3519,20	D1H84704A008	COMBI.R-R 47	2	
R3521	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3523	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3550	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3551,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3553	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3554	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3556,57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3558,59	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3560	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3561	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3562-65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3566-84	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	19	
R3610	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3611	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3613	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3614	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3641-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3645-47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3648	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3649,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3652,53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3670	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3671	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3672,73	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3674	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3675	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3676	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3677	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3678	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3700	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3701,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3705,06	ERJ3RBD681	M.RESISTOR CH 1/16W 680	2	
R3707	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3708	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R3709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3710	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3711	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3712	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3713	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3714	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3715	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3716,17	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3718	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3719	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3720	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R3721	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3722	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R3724	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3728	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3729	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3750,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3752,53	D1H84704A008	COMBI.R-R 47	2	
R3754	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3755	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3770,71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3772	D1H810240001	COMBI.R-R 100	1	
R3775-78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3779-85	D1H84704A008	COMBI.R-R 47	7	
R3786	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3787-89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3790,91	D1H84734A008	COMBI.R-R 47K	2	
R3792	D1H810240001	COMBI.R-R 100	1	
R3793	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3796	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3802	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3803,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3805	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3809,10	D1H84734A008	COMBI.R-R 47K	2	
R3815,16	D0GZ220J0001	M.RESISTOR CH 22	2	
R3841	D1H810240001	COMBI.R-R 1K	1	
R3842	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3843	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3844	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3845	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3846	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3847,48	D0GZ220J0001	M.RESISTOR CH 22	2	
R3849	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3850	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3851	D1H810240001	COMBI.R-R 1K	1	
R3852,53	D1H84734A008	COMBI.R-R 47K	2	
R3854	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3856	D0GZ220J0001	M.RESISTOR CH 22	1	
R3857	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3858	D1H833040002	COMBI.R-R 33	1	
R3861,62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3863	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3866	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3868	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3869	D0GZ220J0001	M.RESISTOR CH 22	1	
R3870	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3871	D1H833040002	COMBI.R-R 33	1	
R3873,74	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3875-78	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3879	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3880-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3883	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3884-91	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R3892-95	D0GZ220J0001	M.RESISTOR CH 22	4	
R3951,52	D1H847240002	COMBI.R-R 4.7K	2	
R3953	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3954	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3955	D1H84704A008	COMBI.R-R 47	1	
R3956	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3957	D1H810240001	COMBI.R-R 1K	1	
R3958,59	D1H847240002	COMBI.R-R 4.7K	2	
R3960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3962	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3963,64	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3965	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3966	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3967	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3968,69	D1H84704A008	COMBI.R-R 47	2	
TG3020-25	EYF6CU	TEST POINT	6	
TP3150	EYF6CU	TEST POINT	1	
TP3180	EYF6CU	TEST POINT	1	
TP3211,12	EYF6CU	TEST POINT	2	
TP3266	EYF6CU	TEST POINT	1	
TP3323	EYF6CU	TEST POINT	1	
TP3455-59	EYF6CU	TEST POINT	5	
TP3511,12	EYF6CU	TEST POINT	2	
TP3550	EYF6CU	TEST POINT	1	
TP3700	EYF6CU	TEST POINT	1	
TP3880,81	EYF6CU	TEST POINT	2	
TP3886	EYF6CU	TEST POINT	1	
VR3700	VRV0113B501	V.RESISTOR 500	1	
VR3701	VRV0113B102	V.RESISTOR 1K	1	D3EC41020001
X3050	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
X3300	VSX0919	CRYSTAL OSCILLATOR	1	H0J417500001
X3670	VSX0975	CRYSTAL OSCILLATOR	1	H1C2295B0001
X3841	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E5	VEP83597B	F5 V OUT P.C.BOARD	1	(RTL)
C3001,02	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C3003,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3011	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3012-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3050	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3051	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3052	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3053-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3065	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3070-73	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3080-84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3090-96	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3100	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3101	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3102-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3150	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3151	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3152,53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3154	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3155-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C3173	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3200	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3201	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3202	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3203,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3208,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3210-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3214,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3216,17	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C3218-20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3221	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3222,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3224	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3225,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3227	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3228,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3230	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3231-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3236,37	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	2	
C3238-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3244	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3245	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3246-49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3250	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3251-53	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	3	
C3300-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3308-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3312,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3314,15	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C3316,17	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C3321	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3323	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3325	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3326-41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
C3342-44	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	3	
C3345-47	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	3	
C3359,60	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3400-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3404,05	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3406-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3412	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3413-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3419	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3420	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3421	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3422,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3424	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3425	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3426,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3429	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3430,31	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3432	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3433	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3434-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3444	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3445-48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3449-52	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3455,56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3458	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3459-61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3463	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3464	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3466	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3467	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3468	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3469,70	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3500-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3508-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3512,13	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3514	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3515	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3516	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3517-19	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	3	
C3520,21	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3522,23	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C3524-37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	14	
C3538-40	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	3	
C3541-43	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	3	
C3544,45	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3600	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3601,02	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3603	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3604	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3605	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3606,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3608	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3609	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C3610,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3612	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3613	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3614	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3615	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3617	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3618	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3619-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3623	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3624	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3625	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3627-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3630,31	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C3633	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3700,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3702	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3703,04	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3705-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3708	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3709-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	3	
C3712,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3714,15	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3716-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3719	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3720-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3724	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3725	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3726,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3729	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3731	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3732	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3733	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3735	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3736	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3737	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3739	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3741	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3742	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3744	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3745	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3747	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3749	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3752,53	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3800	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3801-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3900-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3907	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3908	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D3300-02	MA3068-M	DIODE	3	
D3500-02	MA3068-M	DIODE	3	
D3600	MA142WK	DIODE	1	
D3601	MA3X71600L	DIODE	1	
D3701	MA142K	DIODE	1	
D3703	MA335-R	DIODE	1	
D3704	MA142K	DIODE	1	
FL3200,01	VLF1476	FILTER	2	J0E3504B0004
FL3202	VLF1354	FILTER	1	
FL3400,01	VLF1354	FILTER	2	
IC3010	C0JBAZ001003	IC	1	
IC3011,12	C0JBAZ001121	IC	2	
IC3013	C0JBAZ001137	IC	1	
IC3015	74LCX240MTCX	IC	1	C0JBAZ001775
IC3016	C0JBAZ001121	IC	1	
IC3017	MS51V8221-3G	IC	1	
IC3018	C0JBAE000238	IC	1	
IC3050	C0CBAAB00021	IC	1	
IC3051	74LCX240MTCX	IC	1	C0JBAZ001775
IC3052	C1ZBZ0001836	IC	1	
IC3070	T160G70-1601	IC	1	
IC3080-83	MS51V8221-3G	IC	4	
IC3084	C0JBAZ001102	IC	1	
IC3090	MB87D132	IC	1	C1ZBZ0001516
IC3091-93	C0JBAZ001121	IC	3	
IC3100	UPD65944G020	IC	1	
IC3150	C0CBAAB00021	IC	1	
IC3151,52	C0JBAZ001121	IC	2	
IC3153	C1ZBZ0002123	IC	1	
IC3154	AK6440AF	IC	1	
IC3200	C0CBADD00003	IC	1	
IC3201	C0ZBZ0000504	IC	1	
IC3202	M62370GP	IC	1	C0FBBD000082
IC3203	C0CBADD00003	IC	1	
IC3204	C0ABEB000023	IC	1	
IC3205	C0CBBDB00004	IC	1	
IC3206,07	C0ZBZ0000569	IC	2	
IC3208	NJM2534V	IC	1	
IC3209	C0CBADD00003	IC	1	
IC3300	C0CBADD00003	IC	1	
IC3301	C0CBBDB00004	IC	1	
IC3302	C0CBADD00003	IC	1	
IC3303	C0CBBDB00004	IC	1	
IC3304,05	C0ABGB000013	IC	2	
IC3306	C0ZBZ0000569	IC	1	
IC3307	C0ABGB000013	IC	1	
IC3308-12	C0ZBZ0000569	IC	5	
IC3400	C0CBADD00003	IC	1	
IC3401	C0CBBDB00004	IC	1	
IC3402,03	C0ABEB000023	IC	2	
IC3404	C0CBADD00003	IC	1	
IC3405	C0CBBDB00004	IC	1	
IC3406	C0ZBZ0000569	IC	1	
IC3407	NJM2534V	IC	1	
IC3408	C0ABGB000013	IC	1	
IC3409	C0ZBZ0000569	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3410	C0CBADD00003	IC	1	
IC3411	C0CBBDB00004	IC	1	
IC3412	C0CBADD00003	IC	1	
IC3413	C0CBBDB00004	IC	1	
IC3414	C0ZBZ0000569	IC	1	
IC3415	C0ABGB000013	IC	1	
IC3416	C0ZBZ0000569	IC	1	
IC3417	C0ABGB000013	IC	1	
IC3500	C0CBADD00003	IC	1	
IC3501	C0CBBDB00004	IC	1	
IC3502	C0CBADD00003	IC	1	
IC3503	C0CBBDB00004	IC	1	
IC3504,05	C0JBAA000175	IC	2	
IC3506-08	NJM2534V	IC	3	
IC3600	AN91A12S	IC	1	
IC3601	NJM78L09UA	IC	1	C0CBAHC00002
IC3603	C0CBBDB00004	IC	1	
IC3605	C0CBADD00003	IC	1	
IC3606	NJM360M	IC	1	C0BBZB000001
IC3607	C0JBAC000242	IC	1	
IC3608	SN74LS221NS	IC	1	
IC3609	C0JBAB000541	IC	1	
IC3700	C0CBADD00003	IC	1	
IC3701	C0CBBDB00004	IC	1	
IC3702	C0JBAS000075	IC	1	
IC3704	C0JBAZ001591	IC	1	
IC3705-07	C0ABEB000023	IC	3	
IC3710	NJM360M	IC	1	C0BBZB000001
IC3800,01	C0JBAZ001437	IC	2	
IC3802	UPD65650J203	IC	1	C1ZBZ0001380
IC3900-02	C0JBAZ001121	IC	3	
IC3903,04	74LCX240MTCX	IC	2	C0JBAZ001775
IC3905	AN77L03M	IC	1	
ID3880	VVVSI3928	SOFTWARE	1	
IP3010	C1ZBZ0001555	IC	1	
IP3018	C1ZBZ0001555	IC	1	
L3001,02	VLF1151A132	COIL	2	
L3300,01	VLQ0163J560	COIL 56UH	2	
L3302	VLQ0163J120	COIL 12UH	1	G1C120J00001
L3400	VLQ0163J120	COIL 12UH	1	G1C120J00001
L3500	VLQ0163J180	COIL 18UH	1	G1C180J00001
L3600	VLQ0163J101	COIL 100UH	1	
L3601	G1C221J00003	COIL 220UH	1	
L3602	VLQ0163J680	COIL 68UH	1	
L3700	VLQ0163J470	COIL 47UH	1	
L3701	G1C221J00003	COIL 220UH	1	
L3702-05	VLQ0163J470	COIL 47UH	4	
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q3200-02	2SB709A	TRANSISTOR	3	
Q3203-06	2SD601A	TRANSISTOR	4	
Q3207-09	2SB709A	TRANSISTOR	3	
Q3210-14	2SD601A	TRANSISTOR	5	
Q3215	2SA1532-B	TRANSISTOR	1	
Q3216	2SB709A	TRANSISTOR	1	
Q3300-02	2SB709A	TRANSISTOR	3	
Q3303-08	2SD601A	TRANSISTOR	6	
Q3400-02	2SB709A	TRANSISTOR	3	
Q3403,04	2SD601A	TRANSISTOR	2	
Q3405,06	2SB709A	TRANSISTOR	2	
Q3407,08	2SD601A	TRANSISTOR	2	
Q3409	2SB709A	TRANSISTOR	1	
Q3410	2SA1532-B	TRANSISTOR	1	
Q3411,12	2SD601A	TRANSISTOR	2	
Q3413	2SB709A	TRANSISTOR	1	
Q3414	2SA1532-B	TRANSISTOR	1	
Q3415,16	2SB709A	TRANSISTOR	2	
Q3417	2SD601A	TRANSISTOR	1	
Q3500-04	2SA1532-B	TRANSISTOR	5	
Q3505-10	2SB709A	TRANSISTOR	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3511-16	2SD601A	TRANSISTOR	6	
Q3700	2SB709A	TRANSISTOR	1	
Q3702	2SK608	TRANSISTOR	1	
Q3704	2SK608	TRANSISTOR	1	
QR3200	UNR521300L	TRANSISTOR	1	
R3001	D1H810240001	COMBI.R-R 1K	1	
R3010	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3011,12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3013	D1H810240001	COMBI.R-R 1K	1	
R3014	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3015,16	D1H84734A008	COMBI.R-R 47K	2	
R3017	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3020-22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3025	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3030	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3031	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3033,34	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3036	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3050	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3051	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3055	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3070	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3080	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3081,82	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3085-88	D1H84734A008	COMBI.R-R 47K	4	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3093	D1H810240001	COMBI.R-R 1K	1	
R3106	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3150,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3152	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3153	D1H84734A008	COMBI.R-R 47K	1	
R3200	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3201-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3204-06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3207,08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3209,10	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3213,14	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R3215	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3216,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3218,19	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R3220	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R3221	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3222	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3223	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3224,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3226	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3227,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3229,30	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R3231	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3232	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3233	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3234	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3236	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3237	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3238	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3239	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3240-44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R3245	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3246,47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3248	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3249	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3250	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3251,52	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R3253	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3254	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3255	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3256	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3257	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3258	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3259	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3260,61	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3262	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3263	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3264,65	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3266	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3267	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3268	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3300,01	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R3304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3305	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3306-08	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	3	
R3309-11	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3312-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3318-20	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R3321	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3322	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3323	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3324,25	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3326,27	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3328,29	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R3330,31	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3332-35	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	4	D0GD121JA003
R3336	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3337	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3338	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3339	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3340	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3341	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3342	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3343,44	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R3400,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3402	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3403	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3404	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3405	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3406	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3407,08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3410	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3411	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3412	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3413	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3414	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3415	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3416,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3418	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3419	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3420	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3421	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3422	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3423,24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3425	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3426,27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3428	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3429	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3430	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3431	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3432	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3433	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3434	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3435	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3436	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3437	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3438	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3439	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3441	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R3442	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R3443	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3444	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3446	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3447	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3448	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3449	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3450	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3451	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3452	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3453,54	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3456	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3457,58	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R3461-63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3464	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3466	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3467	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3468	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3469	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3471	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3500	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3502	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3503-05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R3506,07	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3508,09	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R3510	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3511	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3512	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3513	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3514,15	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R3516	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3518,19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3520,21	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R3522	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3523-25	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3526	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3527,28	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3529-31	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3532-34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3535-37	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3538-43	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	6	D0GD121JA003
R3544	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3545	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3546	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3547	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3548	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3549	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3550-54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	5	
R3600	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3601	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3602	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3603	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3604	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3605,06	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3607	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3608	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3609	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3610	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R3611	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3612	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3613	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3614	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3616	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3700	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3701	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3702	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3705	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3706	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3707	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3708	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3709	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3711,12	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R3713	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3715	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3716	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3718	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3719	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3720	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3723	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3724	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3725	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3726	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3727	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3728	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3729	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3732,33	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3735	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3736	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3738	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3739	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3741	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3742	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3743	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3744	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3745	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3755	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3760	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3800-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3805	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3806	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3900-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3903-07	D1H833040002	COMBI.R-R 33	5	
R3908	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3909-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3912-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3917-24	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
TG3601	EYF6CU	TEST POINT	1	
TG3702	EYF6CU	TEST POINT	1	
TG3800	EYF6CU	TEST POINT	1	
TP3153	EYF6CU	TEST POINT	1	
TP3600	EYF6CU	TEST POINT	1	
TP3701	EYF6CU	TEST POINT	1	
TP3802-04	EYF6CU	TEST POINT	3	
TP3806	EYF6CU	TEST POINT	1	
VC3701	ECV1ZW20X53T	TRIMMER	1	
VR3600	EVMEGSA00B14	V.RESISTOR 10K	1	
VR3700	EVMEGSA00B14	V.RESISTOR 10K	1	
X3701	H0D143500030	CRYSTAL OSCILLATOR	1	
X3702	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E6	VEP86326B	F6 SYSCON P.C.BOARD	1	(RTL)
C100-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C108,09	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C110,11	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C112-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C116,17	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C118	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C119	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C120,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C122	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C123-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C126	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C127-30	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	4	
C200,01	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C202,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C204	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C205	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C206	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C207-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C218	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C219-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C224-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C229	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C300	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C301-04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C305-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C308-10	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C400-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C405-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C502-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C600	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C601-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C609,10	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C611-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C614	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C700	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C701	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C702-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C706	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C707	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C708	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C709	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C710	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C711-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C722	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C723	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C724	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C725,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C727-30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C800-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C803	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C804	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C805	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C900,01	VCK0152	C.CAPACITOR	2	F1L1C1060016
C903-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C907,08	VCK0152	C.CAPACITOR	2	F1L1C1060016
C909	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C910	VCK0152	C.CAPACITOR	1	F1L1C1060016
C911,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C913	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C914	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C915	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C916	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C917	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C918	VCK0152	C.CAPACITOR	1	F1L1C1060016
C919-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C923,24	EEVHP1A330	E.CAPACITOR 10V 33U	2	
C925,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C927	VCK0152	C.CAPACITOR	1	F1L1C1060016
C1000-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	25	
C1100-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C1106-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C1200-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C1300-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D100	MA3X71600L	DIODE	1	
D204-08	MA3X71600L	DIODE	5	
D500-06	MA3X71600L	DIODE	7	
D702	MA147	DIODE	1	
D900,01	MA147	DIODE	2	
D903,04	MA147	DIODE	2	
D1000	MA147	DIODE	1	
D1001-11	MA3X71600L	DIODE	11	
IC100	NJM78L09UA	IC	1	C0CBAHC00002
IC101	NJM79L09UA	IC	1	C0CABBF00001
IC102	C0CBADD00003	IC	1	
IC103	C0CBBDB00004	IC	1	
IC104	C0CBAAB00021	IC	1	
IC105	XC62FP3202P	IC	1	
IC106	C0CBAAB00021	IC	1	
IC201	C0JBAA000174	IC	1	
IC202	C0JBAB000350	IC	1	
IC203	C0JBAA000174	IC	1	
IC300	ADM202JRN	IC	1	C0ZBZ0000171
IC301	C0JBAZ001137	IC	1	
IC304	C3ZBD0000004	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC400,01	C0JBAZ001647	IC	2	
IC402,03	SN75C1168NS	IC	2	
IC405	C0JBAZ001121	IC	1	
IC406	UPD6456T611Y	IC	1	C1AB00000555
IC407	C0JBAZ001121	IC	1	
IC500	C0JBAZ001120	IC	1	
IC502	C0JBAZ000994	IC	1	
IC503	SN74LV04APW	IC	1	C0JBAB000247
IC504	C0JBAB000354	IC	1	
IC505	C0JBAB000350	IC	1	
IC506	C0JBAZ001121	IC	1	
IC600	C1ZBZ0001836	IC	1	
IC700	SN74LV04APW	IC	1	C0JBAB000247
IC701	TL7705CPSB	IC	1	C0EBS0000002
IC702	C0JBAA000174	IC	1	
IC703	S80727ANDQ	IC	1	
IC704	C0JBAA000174	IC	1	
IC705	C0JBAZ001120	IC	1	
IC706	C0JBAA000261	IC	1	
IC707	C0JBAZ001591	IC	1	
IC800	C1AB00000936	IC	1	
IC900	TC4W53FU	IC	1	
IC901	C0ABBB000032	IC	1	
IC902	C0ABBB000196	IC	1	
IC903	C0ABBB000032	IC	1	
IC904	C0BBBA000044	IC	1	
IC905	C0ABBB000196	IC	1	
IC906	C0ABBB000032	IC	1	
IC907	TC4W53FU	IC	1	
IC1000-02	C0ABFB000012	IC	3	
IC1100-03	C0JBAZ001121	IC	4	
IC1104	C0JBAZ001137	IC	1	
IC1105	C0JBAZ001121	IC	1	
IC1106	C0JBAA000174	IC	1	
IC1107	C0JBAZ001121	IC	1	
IC1200-03	C0JBAZ001121	IC	4	
IC1204	C0JBAZ000994	IC	1	
IC1205	SN74LV04APW	IC	1	C0JBAB000247
IC1206	C0JBAZ001647	IC	1	
IC1300	C0JBAZ001003	IC	1	
ID200	VVVSI3930C	SOFTWARE	1	
ID700	VVVSI3929	SOFTWARE	1	
ID1300	VVVSI3931	SOFTWARE	1	
IP200	C2DBLK000001	IC	1	
IP700	C2DBLK000001	IC	1	
IP1300	C1ZBZ0001555	IC	1	
L100,01	VLF1151A132	COIL	2	
L200-02	VLQ0163J470	COIL 47UH	3	
L600	VLQ0163J470	COIL 47UH	1	
L700-02	VLQ0163J470	COIL 47UH	3	
L6001,02	VLQ0163J470	COIL 47UH	2	
P1,P2	K1KA96B00032	CONNECTOR (MALE)	2	
P200	VJS3791B020	CONNECTOR (FEMALE)	1	
P201	K1KA10A00303	CONNECTOR (MALE)	1	
P700	VJS3791B020	CONNECTOR (FEMALE)	1	
P701	K1KA10A00303	CONNECTOR (MALE)	1	
QR1100	UNR521300L	TRANSISTOR	1	
R100	D1H810240001	COMBI.R-R 1K	1	
R200	D1H84734A008	COMBI.R-R 47K	1	
R201	D1H84704A008	COMBI.R-R 47	1	
R203	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R204	D1H810240001	COMBI.R-R 1K	1	
R205	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R206,07	D1H84704A008	COMBI.R-R 47	2	
R209	D1H84704A008	COMBI.R-R 47	1	
R210	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R211	D0GZ103J0001	M.RESISTOR CH 10K	1	
R212	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R213	D0GZ103J0001	M.RESISTOR CH 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R214	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R215	D1H84734A008	COMBI.R-R 47K	1	
R216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R217	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R218	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R219	D1H833040002	COMBI.R-R 33	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R223	D0GZ103J0001	M.RESISTOR CH 10K	1	
R224	D1H833040002	COMBI.R-R 33	1	
R228	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R229	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R230-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R233-36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R246-48	D0GZ103J0001	M.RESISTOR CH 10K	3	
R249-51	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R253-61	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R264-68	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R275	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R276,77	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R278	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R280	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R281	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R282	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R283	D1H810240001	COMBI.R-R 1K	1	
R284	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R301,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R307	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R308	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R309	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R313,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R316	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R318,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R404,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R407	D1H84734A008	COMBI.R-R 47K	1	
R408-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R412	D1H84734A008	COMBI.R-R 47K	1	
R413,14	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R417,18	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R422	D1H84734A008	COMBI.R-R 47K	1	
R423	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R424	D1H84704A008	COMBI.R-R 47	1	
R425	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R427	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R434	D1H84734A008	COMBI.R-R 47K	1	
R437,38	D1H810240001	COMBI.R-R 1K	2	
R500	D1H84734A008	COMBI.R-R 47K	1	
R502	D1H84704A008	COMBI.R-R 47	1	
R504	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R506	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R508	D1H84734A008	COMBI.R-R 47K	1	
R509-12	D1H84704A008	COMBI.R-R 47	4	
R518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R520,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R542	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R543	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R601,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R604,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R607-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R610	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R611	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R700	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R703,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R705	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R709	D0GZ103J0001	M.RESISTOR CH 10K	1	
R713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R715,16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R717	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R718	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R719	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R720	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R721	D1H833040002	COMBI.R-R 33	1	
R724,25	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R726	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R728	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R729,30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R731	D1H810240001	COMBI.R-R 1K	1	
R733	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R734-37	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R738	D1H84734A008	COMBI.R-R 47K	1	
R740-42	D1H84704A008	COMBI.R-R 47	3	
R744	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R745	D0GZ103J0001	M.RESISTOR CH 10K	1	
R746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R747	D0GZ103J0001	M.RESISTOR CH 10K	1	
R748	D1H833040002	COMBI.R-R 33	1	
R749	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R755-57	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R758	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R764-66	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R767	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R768	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R769,70	D0GZ103J0001	M.RESISTOR CH 10K	2	
R800	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R803	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R804	D1H84734A008	COMBI.R-R 47K	1	
R805	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R806-08	D1H84734A008	COMBI.R-R 47K	3	
R809-11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R812	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R813	D1H8R0040001	COMBI.R-R 0	1	
R815	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R900	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R901	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R903,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R906	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R907	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R910,11	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R912	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R913,14	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R917,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R919	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R920	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R921,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R923-25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R926	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R927,28	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R929	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R930	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R931	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R932	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R933	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R934	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R935	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R936,37	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R938	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R940,41	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R942,43	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R944	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R945	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R946	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R947,48	ERJ3RED390	M.RESISTOR CH 1/16W 39	2	
R949	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R950	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R951	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R954	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R956	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R957	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1000	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1001	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1002-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R1006-10	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R1013	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1016	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	1	
R1017	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1018	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1019	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1021	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1024	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1027	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	1	
R1028	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1029	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1032	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1035	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1036	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1039	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1042	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1044	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1047	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1050	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1051	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1052	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1053	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1056	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1059	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1060	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1061-66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R1067-70	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	4	
R1071	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1102,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1104,05	D1H84734A008	COMBI.R-R 47K	2	
R1106-08	D1H84704A008	COMBI.R-R 47	3	
R1110,11	D0GZ220J0001	M.RESISTOR CH 22	2	
R1112,13	D1H84704A008	COMBI.R-R 47	2	
R1114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1115-18	D1H84734A008	COMBI.R-R 47K	4	
R1119-21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R1123,24	D1H84704A008	COMBI.R-R 47	2	
R1126	D1H84734A008	COMBI.R-R 47K	1	
R1128,29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1200,01	D1H84734A008	COMBI.R-R 47K	2	
R1202,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1204	D1H84734A008	COMBI.R-R 47K	1	
R1205	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1206-08	D1H84704A008	COMBI.R-R 47	3	
R1209-12	D1H84734A008	COMBI.R-R 47K	4	
R1213	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1214	D1H84734A008	COMBI.R-R 47K	1	
R1215	D1H8R0040001	COMBI.R-R 0	1	
R1217,18	D1H8R0040001	COMBI.R-R 0	2	
R1300	D1H810240001	COMBI.R-R	1	
R1301	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1302	D0GZ103J0001	M.RESISTOR CH 10K	1	
R1303	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW200	VSS0367-08B	SWITCH	1	
X200	H0J921400004	CRYSTAL OSCILLATOR	1	
X700	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■E7	VEP82246B	F7 SERVO P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6,C7	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8,C9	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C10,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C12	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C13,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C15,16	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C17	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C18	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C19	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C20,21	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C22-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C27	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C32,33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C60	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C61-64	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C70-73	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C74-77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C150,51	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	2	
C152,53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C154	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C155	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C156,57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C158	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C160	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C163	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C165,66	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C167-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C172	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C173	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C174	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C202	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C203	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C204-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C208,09	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C210-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C215	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C216	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C217,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C219,20	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C221-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C230,31	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C301-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C310,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C312	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C351,52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C353	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C354,55	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	2	
C356-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C361,62	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C401,02	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C403,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C405,06	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C407,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C409,10	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C411	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C412-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C415	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C417	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C418-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C425	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C426,27	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C428	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C429,30	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C431	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C432-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C452	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C453	EEUFC1V101	E.CAPACITOR 35V 100U	1	
C454,55	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C456,57	EEUFC1V101	E.CAPACITOR 35V 100U	2	
C458-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C461	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501	EEUFC1V101	E.CAPACITOR 35V 100U	1	
C502,03	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C504	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C505,06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C507,08	EEUFC1V101	E.CAPACITOR 35V 100U	2	
C509-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C512	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C513	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C514	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C515	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C516	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C517-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C550,51	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C552-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C555	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C556	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C557	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C558,59	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C560	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C561	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C562	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C563	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C564	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C565	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C566	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C567	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C568	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C569	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C570	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C571	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C572	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C573	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C574	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C575	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C576,77	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C578,79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C580,81	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C582	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C583	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C584	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C585	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C586,87	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C588,89	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C590,91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C592,93	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C594,95	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C596,97	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	2	
C598,99	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C600,01	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C602,03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C604,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C606-09	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C610-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C614,15	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C616,17	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C618-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C651-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C657,58	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C659	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C660	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C661	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C662	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C663-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C667	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C668	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C669-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C672	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C673	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C674,75	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C676-78	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C679,80	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C681	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C699,00	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1-D4	MA8075-H	DIODE	4	
D5,D6	MA142K	DIODE	2	
D7-D9	MA147	DIODE	3	
D201-03	MA147	DIODE	3	
D353,54	MA147	DIODE	2	
D355,56	MA142K	DIODE	2	
D401,02	MA142K	DIODE	2	
D403-06	MA704A	DIODE	4	
D407	MA147	DIODE	1	
D450,51	MA2J72800L	DIODE	2	
D452,53	MA2Q73600L	DIODE	2	
D500,01	MA2J72800L	DIODE	2	
D502,03	MA2Q73600L	DIODE	2	
D504	MA142K	DIODE	1	
D550,51	MA142K	DIODE	2	
D552-63	MA2Q73800L	DIODE	12	
D564,65	MA147	DIODE	2	
D605,06	MA2Q73800L	DIODE	2	
D609-12	MA2Q73800L	DIODE	4	
D651	MA142K	DIODE	1	
D652-55	MA142WK	DIODE	4	
D656	MA147	DIODE	1	
D657	MA142WK	DIODE	1	
D658	MA142WA	DIODE	1	
D659	MA8051-M	DIODE	1	
D660	MA8082-H	DIODE	1	
D661	MA142WK	DIODE	1	
D662	MA142K	DIODE	1	
D663	MAZ80330HL	DIODE	1	
D664	MA8039-H	DIODE	1	
D665	MA8075-H	DIODE	1	
D666	MA2Q73800L	DIODE	1	
D667	MA142K	DIODE	1	
D668-70	MA2Q73800L	DIODE	3	
D671,72	MA142WK	DIODE	2	
IC1	C0JBAZ000994	IC	1	
IC2	C0ABBB000179	IC	1	
IC3	TC4052BF	IC	1	
IC5	C0ABBB000179	IC	1	
IC7	C0ABBB000179	IC	1	
IC8	TC4052BF	IC	1	
IC10	C0ABBB000179	IC	1	
IC61,62	C0ABBB000184	IC	2	
IC63,64	C0BBBA000044	IC	2	
IC103	C0JBAZ000994	IC	1	
IC151	C0ABBB000179	IC	1	
IC152	C0ABBB000184	IC	1	
IC153	C0BBBA000044	IC	1	
IC154	C0JBAZ000994	IC	1	
IC155	C0ABBB000179	IC	1	
IC156	C0BBBA000044	IC	1	
IC157	C0ABBB000184	IC	1	
IC158	C0ABBA000075	IC	1	
IC204	C0JBAB000397	IC	1	
IC206-08	C0JBAZ001121	IC	3	
IC301	C0JBAZ001121	IC	1	
IC302	C0JBAZ001003	IC	1	
IC354	M62370GP	IC	1	C0FBBD000082
IC355,56	C0ABBB000179	IC	2	
IC357	C0ABBA000075	IC	1	
IC401	C0ABBA000075	IC	1	
IC402,03	NJM78L09UA	IC	2	C0CBAHC00002
IC404	C0CBABD00005	IC	1	
IC405	C0CBADD00003	IC	1	
IC406,07	NJM79L09UA	IC	2	C0CABBF00001
IC408	C0CBBDB00004	IC	1	
IC501	C0BBBA000044	IC	1	
IC502	C0ABBB000184	IC	1	
IC503	TL1451CNS	IC	1	C0DBAMA00001
IC551	C0BBBA000044	IC	1	
IC552	C0ABBB000179	IC	1	
IC553,54	AN3834S	IC	2	
IC555	C0ABBB000179	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC600,01	AN3890FBS	IC	2	
IC650	C0JBAZ001120	IC	1	
IC651	C0JBAM000111	IC	1	
IC652	C0ABBA000075	IC	1	
IC653	C0JBAM000052	IC	1	
IC654	C0JBAZ001120	IC	1	
IC655,56	BA6238A	IC	2	C0GAK0000007
IC658	C0BBBA000044	IC	1	
IC659	C0JBAF000487	IC	1	
IC660-62	C0JBAM000111	IC	3	
ID201	VVVSI3932	SOFTWARE	1	
ID300	VVVSI3888	SOFTWARE	1	
IP201	MN1030F04K	IC	1	
IP300	EPM3256A1410	IC	1	
L401,02	VLF1151A132	COIL	2	
L451,52	VLQ0504331K	COIL 330UH	2	G0A331F00001
L453	VLQ0407120M	COIL 12UH	1	G0A120HA0007
L500,01	VLQ0504331K	COIL 330UH	2	G0A331F00001
P202	VJS3791B020	CONNECTOR (FEMALE)	1	
P300	K1KA08B00147	CONNECTOR (FEMALE)	1	
P700,01	K1KA96B00032	CONNECTOR (MALE)	2	
Q1	2SD601A	TRANSISTOR	1	
Q2,Q3	2SB709A	TRANSISTOR	2	
Q4	2SD601A	TRANSISTOR	1	
Q5	2SB709A	TRANSISTOR	1	
Q6	2SD601A	TRANSISTOR	1	
Q401,02	2SD601A	TRANSISTOR	2	
Q450,51	2SB1073	TRANSISTOR	2	
Q500,01	2SB1174-Q	TRANSISTOR	2	2SB11740Q
Q551-56	2SD1624-S	TRANSISTOR	6	
Q600	PU3210	TRANSISTOR	1	
Q601	PU3110	TRANSISTOR	1	
Q604	PU3210	TRANSISTOR	1	
Q605	PU3110	TRANSISTOR	1	
Q650	2SD601A	TRANSISTOR	1	
Q651	2SB710A	TRANSISTOR	1	
Q652	2SB936A-Q	TRANSISTOR	1	
Q653,54	2SB766	TRANSISTOR	2	
Q655,56	2SB1073-R	TRANSISTOR	2	
QR1-R5	UNR521300L	TRANSISTOR	5	
QR6	UNR511300L	TRANSISTOR	1	
QR7	UN5215	TRANSISTOR-RESISTOR	1	
QR8	UNR511500L	TRANSISTOR	1	
QR500,01	UNR511100L	TRANSISTOR	2	
QR550-53	UN5215	TRANSISTOR-RESISTOR	4	
QR600	UNR521300L	TRANSISTOR	1	
QR601	UN5217	TRANSISTOR-RESISTOR	1	
QR602	UNR521400L	TRANSISTOR-RESISTOR	1	
QR651	UNR521300L	TRANSISTOR	1	
QR654	UNR521300L	TRANSISTOR	1	
QR655,56	UNR521400L	TRANSISTOR-RESISTOR	2	
QR657	UNR521300L	TRANSISTOR	1	
QR658	UNR511300L	TRANSISTOR	1	
QR659-63	UNR521400L	TRANSISTOR-RESISTOR	5	
QR664	UNR511300L	TRANSISTOR	1	
QR665-68	UNR521400L	TRANSISTOR-RESISTOR	4	
QR669	UNR511300L	TRANSISTOR	1	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R7	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R8	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R9	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R10	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R12	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R13	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R14	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R15	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R16	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R19	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R20	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R21	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R22	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R23	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R24,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R26	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R27	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R28	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R29,30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R31	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R32	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R33	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R34-36	ERJ3RBD471	M.RESISTOR CH 1/16W 470	3	
R37	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R38,39	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	2	
R40,41	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R43	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R44,45	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R46	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R47	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R48	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R49	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R59	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R60	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R61	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R62	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R63	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R64	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R65	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R66	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R67	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R68	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R69	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R70	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R71	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R72	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R73	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R74	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R75	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R76-79	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	4	
R80,81	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R82-85	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	4	
R86-89	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R90-93	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	4	
R94-97	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	4	
R98	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R99	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R100,01	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R102,03	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R104	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R105	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R106-09	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	4	
R141	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R142	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R143	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R145	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R146	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R150	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R151	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R152	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R153	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R154,55	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R156	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R157	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R158	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R159	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R160,61	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R162,63	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R164,65	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R168,69	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R170	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R171	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R172	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R173	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R174,75	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R176,77	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R178,79	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R180,81	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R182,83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R184,85	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R186,87	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	2	
R188,89	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R190,91	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R192,93	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R194	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R195,96	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R197	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R198	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R201,02	D1H84704A008	COMBI.R-R 47	2	
R203	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R204	D1H84734A008	COMBI.R-R 47K	1	
R206	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R207	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R209,10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R211	D1H810140001	COMBI.R-R 100	1	
R212	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R213	D1H84734A008	COMBI.R-R 47K	1	
R214,15	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R219	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R221	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R222	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R223	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R224-27	D1H84704A008	COMBI.R-R 47	4	
R228	D1H84734A008	COMBI.R-R 47K	1	
R229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R230	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R233-35	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R236-40	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R241,42	D1H84704A008	COMBI.R-R 47	2	
R243	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R244	D1H84704A008	COMBI.R-R 47	1	
R245	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R246	D1H84704A008	COMBI.R-R 47	1	
R247,48	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R302	D1H810240001	COMBI.R-R 1K	1	
R303	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R305,06	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R307	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309,10	D1H84704A008	COMBI.R-R 47	2	
R311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R319	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R363	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R364,65	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R366,67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R368,69	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R370,71	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	2	
R372	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R373	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R374,75	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R376	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R377	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R378-80	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R381	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R382	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R383	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R384	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R385	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R386	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R401,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R404	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R405,06	ERJ6RBD391	M.RESISTOR CH 1/10W 390	2	
R407	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R408-11	ERJ6RBD391	M.RESISTOR CH 1/10W 390	4	
R412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R450,51	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R452,53	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R454,55	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R458	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
⚠ R459	K5H2523A0001	FUSE	1	
R500,01	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R502,03	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R504,05	ERJ12YJ471	M.RESISTOR CH 1/2W 470	2	
R506	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R507	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R508	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R509	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R511	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R512	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R513	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R516	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R517	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R518	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R519,20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R521	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R522	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R523	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R524,25	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R526,27	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	2	
R528	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R529	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R530	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R531,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R535	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R551-53	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R554	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R555	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R556	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R557	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R558,59	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R560	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R561	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R562,63	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R564	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R565	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R566,67	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R568	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R569	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R570	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R571	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R572,73	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	2	
R574,75	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R576	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R577	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R578	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R579	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R580-83	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R584,85	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R586,87	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R588,89	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R590-95	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	6	
R600	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R601,02	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R603	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R605,06	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R607,08	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R609,10	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R611,12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R613-18	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	6	
R619	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R651-53	D1H84734A008	COMBI.R-R 47K	3	
R654	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R655	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R656	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R657-60	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R661	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R662	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R663	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R664	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R666	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R667	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R668	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R669,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R671-75	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R676,77	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R678	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R679,80	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R681-83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R684	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R685	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R686	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R687	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R688	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R689,90	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	2	
R691,92	ERJ8GEYJ181	M.RESISTOR CH 1/8W 180	2	
R693	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R694	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R695	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R696	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R697	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R698	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R702	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R703	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R704,05	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R706	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R709	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R710	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R711,12	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	2	
R713,14	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R716,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
TG1,G2	EYF6CU	TEST POINT	2	
TG4	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP30,31	EYF6CU	TEST POINT	2	
TP80-83	EYF6CU	TEST POINT	4	
TP120-23	EYF6CU	TEST POINT	4	
TP160-63	EYF6CU	TEST POINT	4	
TP201	EYF6CU	TEST POINT	1	
TP230-35	EYF6CU	TEST POINT	6	
TP280-82	EYF6CU	TEST POINT	3	
TP300,01	EYF6CU	TEST POINT	2	
TP320	EYF6CU	TEST POINT	1	
TP651,52	EYF6CU	TEST POINT	2	
X201	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E8	VEP85207A	F8 RF EQ P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5002-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C5101,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5104,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5106	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5108,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5110	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5111-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5201-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C5301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5302,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5304,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5306	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5309,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C5311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5312-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5316,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5318	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5319	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5320,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5328	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5331	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5332	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C5333	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C5334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5336	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5338	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C5340	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C5342	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5344	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C5346	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5348	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C5351	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C5354	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5356,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5358,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5360,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5363	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5364	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C5365	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5366	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C5367,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5370,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5372	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5502,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5504,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5506	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5508	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5509,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C5511	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5512-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5519	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5520,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5523,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5528	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5529	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5531	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5532	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C5533	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C5534,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5536	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5538	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C5540	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C5542	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5544	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C5546	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5548	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5550	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5551	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C5554	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5556,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5558,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5560,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5562	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5563	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5564	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C5565	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5566	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C5567,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5570,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5572	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5701-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5710-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5713	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5714	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C5715-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5718	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C5719	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5720	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5721,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C5723-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C5801-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5810-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5813	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5814	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C5815-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5818	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C5819	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5820	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5821,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C5823-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C5901	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5902	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C5904	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C5905	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5906	ECUX1E681JCV	C.CAPACITOR CH 25V 680P	1	
C5907	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5908,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5910	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C5912	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C5914	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C5915	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5916,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5918-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C5921-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5924	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5926,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5928	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C5930,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5932	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5933	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5934	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C5935	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5937,38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5939	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5940	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5941	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C5942	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5944,45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5946	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5947	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5948	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5949	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5951,52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5953	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5954	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5955	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5956	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5957	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6302,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C6304,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6306	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6309,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C6311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6312-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6316,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6318	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6319	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6320,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6328	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6331	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6332	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C6333	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C6334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6336	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6338	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C6340	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6342	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C6344	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C6346	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6348	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6351	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C6354	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6356,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6358,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6360,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6363	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6364	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C6365	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6366	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C6367,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6370,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6372	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C6501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6502,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C6504,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6506	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6508	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6509,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C6511	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6512-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6519	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6520,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6523,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6528	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6529	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6531	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6532	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C6533	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C6534,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6536	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6538	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C6540	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6542	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C6544	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C6546	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6548	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6550	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6551	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C6554	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6556,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6558,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6560,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6562	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6563	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6564	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C6565	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6566	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C6567,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6570,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6572	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C6701-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6710-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6713	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6714	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C6715-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6718	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C6719	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C6720	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6721,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C6723-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C6801-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6810-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6813	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6814	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C6815-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6818	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C6819	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C6820	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6821,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C6823-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
D5901	MA2P701A0L	DIODE	1	
IC5001	C0JBAZ001003	IC	1	
IC5002	SN74LV04APW	IC	1	C0JBAB000247
IC5003	C0JBAA000174	IC	1	
IC5004	C0JBAZ001003	IC	1	
IC5006	TC4W53FU	IC	1	
IC5007	C0HBZ0000036	IC	1	
IC5101	DS90LV048A	IC	1	C0ZBZ0000280
IC5102,03	TLCX240FT	IC	2	
IC5104	DS90LV047A	IC	1	C0ZBZ0000279
IC5105	TLCX240FT	IC	1	
IC5106	DS90LV047A	IC	1	C0ZBZ0000279
IC5107	74LCX74MTCX	IC	1	C0JBAF000406
IC5108	DS90LV047A	IC	1	C0ZBZ0000279
IC5109	74LCX574MTCX	IC	1	C0JBAF000448
IC5110	C0ABEB000023	IC	1	
IC5111	C0JBAZ001867	IC	1	
IC5201	M62370GP	IC	1	C0FBBD000082
IC5202-05	C0JBAS000075	IC	4	
IC5206-08	C0ABFB000012	IC	3	
IC5209	C0JBAZ001003	IC	1	
IC5301	MC1495D	IC	1	
IC5302	UPC1663G	IC	1	C1CB00000329
IC5304	UPC1663G	IC	1	C1CB00000329
IC5305	TC4W53FU	IC	1	
IC5306	UPC1663G	IC	1	C1CB00000329
IC5501	MC1495D	IC	1	
IC5502	UPC1663G	IC	1	C1CB00000329
IC5504	UPC1663G	IC	1	C1CB00000329
IC5505	TC4W53FU	IC	1	
IC5506	UPC1663G	IC	1	C1CB00000329
IC5701	C0ABBB000158	IC	1	
IC5702	MN673798	IC	1	
IC5703	C0JBAZ001867	IC	1	
IC5704	C0ABEB000023	IC	1	
IC5801	C0ABBB000158	IC	1	
IC5802	MN673798	IC	1	
IC5803	C0JBAZ001867	IC	1	
IC5804	C0ABEB000023	IC	1	
IC5901	TC4W53FU	IC	1	
IC5902	NJM1496V	IC	1	
IC5903	C0ABEB000023	IC	1	
IC5904	LM2940S-5.0	IC	1	C0CBADG00007
IC5905	LM2990S-5.0	IC	1	
IC5906,07	LT1086CM	IC	2	C0CBAYG00001
IC6301	MC1495D	IC	1	
IC6302	UPC1663G	IC	1	C1CB00000329
IC6304	UPC1663G	IC	1	C1CB00000329
IC6305	TC4W53FU	IC	1	
IC6306	UPC1663G	IC	1	C1CB00000329
IC6501	MC1495D	IC	1	
IC6502	UPC1663G	IC	1	C1CB00000329

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6504	UPC1663G	IC	1	C1CB00000329
IC6505	TC4W53FU	IC	1	
IC6506	UPC1663G	IC	1	C1CB00000329
IC6701	C0ABBB000158	IC	1	
IC6702	MN673798	IC	1	
IC6703	C0JBAZ001867	IC	1	
IC6704	C0ABEB000023	IC	1	
IC6801	C0ABBB000158	IC	1	
IC6802	MN673798	IC	1	
IC6803	C0JBAZ001867	IC	1	
IC6804	C0ABEB000023	IC	1	
L5301	VLQ0163MR27	COIL 0.27UH	1	
L5302	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L5303,04	VLQ0163J101	COIL 100UH	2	
L5305	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L5308	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L5309	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5501	VLQ0163MR27	COIL 0.27UH	1	
L5502	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L5503,04	VLQ0163J101	COIL 100UH	2	
L5505	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L5508	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L5509	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5901	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5902	VLQ0163JR82	COIL 0.82UH	1	G1CR82J00002
L5903	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5904	VLQ0163JR82	COIL 0.82UH	1	G1CR82J00002
L5905-08	VLF1151A132	COIL	4	
L6301	VLQ0163MR27	COIL 0.27UH	1	
L6302	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L6303,04	VLQ0163J101	COIL 100UH	2	
L6305	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L6308	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L6309	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L6501	VLQ0163MR27	COIL 0.27UH	1	
L6502	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L6503,04	VLQ0163J101	COIL 100UH	2	
L6505	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L6508	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L6509	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
P5901	K1KA96B00032	CONNECTOR (MALE)	1	
Q5101	2SC3930	TRANSISTOR	1	
Q5301	2SC3930	TRANSISTOR	1	
Q5302	2SD1979	TRANSISTOR	1	
Q5303	XN6537	TRANSISTOR-RESISTOR	1	
Q5304	2SD1979	TRANSISTOR	1	
Q5305	2SC3930	TRANSISTOR	1	
Q5306	XP6534	TRANSISTOR-RESISTOR	1	
Q5307,08	2SD1979	TRANSISTOR	2	
Q5309	XP6534	TRANSISTOR-RESISTOR	1	
Q5310,11	2SK508K512	TRANSISTOR	2	
Q5312	2SC3930	TRANSISTOR	1	
Q5313	XP6534	TRANSISTOR-RESISTOR	1	
Q5314	2SD1979	TRANSISTOR	1	
Q5316	2SD1979	TRANSISTOR	1	
Q5318	2SC3930	TRANSISTOR	1	
Q5319	XP6534	TRANSISTOR-RESISTOR	1	
Q5320,21	2SC3930	TRANSISTOR	2	
Q5322	2SD1979	TRANSISTOR	1	
Q5323	2SC3930	TRANSISTOR	1	
Q5501	2SC3930	TRANSISTOR	1	
Q5502	2SD1979	TRANSISTOR	1	
Q5503	XN6537	TRANSISTOR-RESISTOR	1	
Q5504	2SD1979	TRANSISTOR	1	
Q5505	2SC3930	TRANSISTOR	1	
Q5506	XP6534	TRANSISTOR-RESISTOR	1	
Q5507,08	2SD1979	TRANSISTOR	2	
Q5509	XP6534	TRANSISTOR-RESISTOR	1	
Q5510,11	2SK508K512	TRANSISTOR	2	
Q5512	2SC3930	TRANSISTOR	1	
Q5513	XP6534	TRANSISTOR-RESISTOR	1	
Q5514	2SD1979	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q5516	2SD1979	TRANSISTOR	1	
Q5518	2SC3930	TRANSISTOR	1	
Q5519	XP6534	TRANSISTOR-RESISTOR	1	
Q5520,21	2SC3930	TRANSISTOR	2	
Q5522	2SD1979	TRANSISTOR	1	
Q5523	2SC3930	TRANSISTOR	1	
Q5701	XP0650100L	TRANSISTOR	1	
Q5801	XP0650100L	TRANSISTOR	1	
Q5901	2SC3930	TRANSISTOR	1	
Q5902	XP6534	TRANSISTOR-RESISTOR	1	
Q5903	2SD1979	TRANSISTOR	1	
Q5905	2SD1979	TRANSISTOR	1	
Q5907	2SD1979	TRANSISTOR	1	
Q5909-11	2SC3930	TRANSISTOR	3	
Q6301	2SC3930	TRANSISTOR	1	
Q6302	2SD1979	TRANSISTOR	1	
Q6303	XN6537	TRANSISTOR-RESISTOR	1	
Q6304	2SD1979	TRANSISTOR	1	
Q6305	2SC3930	TRANSISTOR	1	
Q6306	XP6534	TRANSISTOR-RESISTOR	1	
Q6307,08	2SD1979	TRANSISTOR	2	
Q6309	XP6534	TRANSISTOR-RESISTOR	1	
Q6310,11	2SK508K512	TRANSISTOR	2	
Q6312	2SC3930	TRANSISTOR	1	
Q6313	XP6534	TRANSISTOR-RESISTOR	1	
Q6314	2SD1979	TRANSISTOR	1	
Q6316	2SD1979	TRANSISTOR	1	
Q6318	2SC3930	TRANSISTOR	1	
Q6319	XP6534	TRANSISTOR-RESISTOR	1	
Q6320,21	2SC3930	TRANSISTOR	2	
Q6322	2SD1979	TRANSISTOR	1	
Q6323	2SC3930	TRANSISTOR	1	
Q6501	2SC3930	TRANSISTOR	1	
Q6502	2SD1979	TRANSISTOR	1	
Q6503	XN6537	TRANSISTOR-RESISTOR	1	
Q6504	2SD1979	TRANSISTOR	1	
Q6505	2SC3930	TRANSISTOR	1	
Q6506	XP6534	TRANSISTOR-RESISTOR	1	
Q6507,08	2SD1979	TRANSISTOR	2	
Q6509	XP6534	TRANSISTOR-RESISTOR	1	
Q6510,11	2SK508K512	TRANSISTOR	2	
Q6512	2SC3930	TRANSISTOR	1	
Q6513	XP6534	TRANSISTOR-RESISTOR	1	
Q6514	2SD1979	TRANSISTOR	1	
Q6516	2SD1979	TRANSISTOR	1	
Q6518	2SC3930	TRANSISTOR	1	
Q6519	XP6534	TRANSISTOR-RESISTOR	1	
Q6520,21	2SC3930	TRANSISTOR	2	
Q6522	2SD1979	TRANSISTOR	1	
Q6523	2SC3930	TRANSISTOR	1	
Q6701	XP0650100L	TRANSISTOR	1	
Q6801	XP0650100L	TRANSISTOR	1	
R5001	D1H84734A008	COMBI.R-R 47K	1	
R5002,03	D1H810140001	COMBI.R-R 100	2	
R5004	D1H84734A008	COMBI.R-R 47K	1	
R5009,10	D1H810140001	COMBI.R-R 100	2	
R5011-13	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5014,15	D1H84734A008	COMBI.R-R 47K	2	
R5017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5019,20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R5022	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5023	D1H84734A008	COMBI.R-R 47K	1	
R5024	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5025	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5026	D0GZ220J0001	M.RESISTOR CH 22	1	
R5027	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5028	D1H84734A008	COMBI.R-R 47K	1	
R5029	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5030	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5031	D0GZ220J0001	M.RESISTOR CH 22	1	
R5032	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5101-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5104	D0GZ220J0001	M.RESISTOR CH 22	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5105	D1H810240001	COMBI.R-R 1K	1	
R5106,07	D0GZ220J0001	M.RESISTOR CH 22	2	
R5108,09	D1H810240001	COMBI.R-R 1K	2	
R5110	D0GZ220J0001	M.RESISTOR CH 22	1	
R5111	D1H810240001	COMBI.R-R 1K	1	
R5112,13	D0GZ220J0001	M.RESISTOR CH 22	2	
R5114-16	D1H810240001	COMBI.R-R 1K	3	
R5117	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5121,22	D1H810240001	COMBI.R-R 1K	2	
R5123	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5124	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5125	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R5126	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R5127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5128	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5129	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R5130	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5131	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5132	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5133	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5134	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5135	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5136,37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5138	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5139	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5142	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5201	D1H84734A008	COMBI.R-R 47K	1	
R5202	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5203	D0GZ220J0001	M.RESISTOR CH 22	1	
R5204	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5205	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5206,07	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R5208	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5210,11	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R5212	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5213	D1H810140001	COMBI.R-R 100	1	
R5214	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5215	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5216,17	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R5218	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5219	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5220,21	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R5222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5223,24	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5225	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5226	D1H810140001	COMBI.R-R 100	1	
R5227,28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5229	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5230	D1H810140001	COMBI.R-R 100	1	
R5231,32	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5233	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5234	D1H810140001	COMBI.R-R 100	1	
R5235,36	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5237	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5238	D1H810140001	COMBI.R-R 100	1	
R5239-42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5301	D1H84704A008	COMBI.R-R 47	1	
R5302	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5303	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5304	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5305	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5306	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5307	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5308	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5309	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5310	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5312,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5314	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5315	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5316	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R5317	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5319	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5323	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5324,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5327	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5328,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5330	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5331	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5333	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5334	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R5335	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R5337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5338	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5339	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5342,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5346,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5349	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5351	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5353	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5354	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5356	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5357	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5358	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5359	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5361,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R5363	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5364	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5367	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5368	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5372	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5373	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5375	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5377	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5379	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5381	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5382	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5383,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5385,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5387	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R5388,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5390	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5391	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5392	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5393	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5394	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5395	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5396	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5397	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5398	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5399	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5402	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5404	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5405	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5406	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5407	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5408	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R5409	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5414,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5416	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R5417,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5501	D1H84704A008	COMBI.R-R 47	1	
R5502	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5503	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5504	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5505	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5506	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5507	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5508	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5509	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5510	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5511	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5512,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5514	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5515	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5516	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R5517	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5519	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5520	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5521,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5523	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5524,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5526	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5527	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5528,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5530	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5531	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5533	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5534	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R5535	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5536	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R5537	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5538	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5539	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5540,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5542,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5546,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5548	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5549	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5550	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5551	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5552	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5553	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5554	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5555	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5556	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5557	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5558	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R5559	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5560	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5561,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R5563	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5564	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5565	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5566	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5567	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5568	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5569	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5570	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5571	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5572	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5573	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5575	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5577	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5579	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5581	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5582	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5583,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5585,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5587	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R5588,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5590	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5591	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5592	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5593	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5594	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5595	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5596	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5597	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5598	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5599	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5600	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5601	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5602	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5603	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5604	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5605	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5606	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5607	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5608	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R5609	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5610	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5612,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5614,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5616	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R5617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5619	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5702,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5704	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5705,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5707,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5709	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5710	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5711	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5712	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5713	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5715	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5716	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5717	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5720	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5721	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5722	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5723	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5724	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5726	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5727	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5730,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5732	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5735-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R5739	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5741-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5750	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5802,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5804	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5805,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5807,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5809	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5810	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5811	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5812	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5813	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5814	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5815	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5816	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5817	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5820	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5822	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5823	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5824	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5825	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5826	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5827,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5830,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5832	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5833	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5834	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5835-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R5839	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5841-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5850	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5901	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5902	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5903	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5904,05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5906	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R5907	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5908	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5909	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5910	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5911,12	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R5913	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5915,16	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R5917	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5919	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5921	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5922	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5923	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5924	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5925-28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R5929	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5930-33	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	4	
R5934	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5935	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R5936,37	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R5938	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5939	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R5940	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R5941	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5942	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5943	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5944	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R5945	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5946	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R5947	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5948	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5949	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5950	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6301	D1H84704A008	COMBI.R-R 47	1	
R6302	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6303	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6304	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6305	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6306	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6307	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R6308	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6309	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R6310	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6312,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6314	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6315	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6316	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R6317	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6319	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6323	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6324,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6327	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6328,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6330	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6331	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6333	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6334	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R6335	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6338	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R6339	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6342,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6346,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6349	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6351	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6353	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6354	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6356	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6357	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6358	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6359	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6361,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R6363	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6364	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6367	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6368	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6372	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6373	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6375	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6377	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6379	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6381	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R6382	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6383,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6385,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6387	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R6388,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6390	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6391	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6392	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6393	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6394	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6395	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6396	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6397	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6398	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6399	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6402	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6404	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6405	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6406	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6407	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6408	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R6409	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6414,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6416	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R6417,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6501	D1H84704A008	COMBI.R-R 47	1	
R6502	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6503	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6504	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6505	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6506	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6507	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R6508	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6509	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R6510	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6511	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6512,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6514	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6515	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6516	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R6517	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6519	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6520	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6521,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6523	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6524,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6526	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6527	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6528,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6530	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6531	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6533	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6534	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R6535	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6536	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6537	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6538	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R6539	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6540,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6542,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6546,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6548	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6549	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6550	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6551	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6552	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6553	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6554	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6555	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6556	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6557	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6558	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6559	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6560	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6561,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R6563	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6564	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6565	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6566	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6567	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6568	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6569	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6570	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6571	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6572	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6573	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6575	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6577	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6579	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6581	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R6582	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6583,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6585,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6587	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6588,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6590	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6591	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6592	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6593	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6594	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6595	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6596	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6597	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6598	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6599	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6600	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6601	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6602	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6603	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6604	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6605	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6606	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6607	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6608	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R6609	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6610	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6612,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6614,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6616	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R6617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6619	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6702,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6704	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6705,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6707,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6709	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6710	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6711	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6712	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6713	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R6714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6715	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6716	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6717	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6720	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6721	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6722	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R6723	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R6724	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6726	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6730,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6732	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R6733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6735-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R6739	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6741-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6747	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6748	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6749	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6750	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6802,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6804	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6805,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6807,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6809	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6810	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6811	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6812	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6813	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R6814	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6815	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6816	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6817	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6820	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6822	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R6823	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R6824	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6825	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6826	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6828	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6830,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6832	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R6833	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6834	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6835-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R6839	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6841-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6850	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
TG5101,02	EYF6CU	TEST POINT	2	
TP5101-04	EYF6CU	TEST POINT	4	
TP5301	EYF6CU	TEST POINT	1	
TP5501	EYF6CU	TEST POINT	1	
TP5701,02	EYF6CU	TEST POINT	2	
TP5801,02	EYF6CU	TEST POINT	2	
TP5901	EYF6CU	TEST POINT	1	
TP6301	EYF6CU	TEST POINT	1	
TP6501	EYF6CU	TEST POINT	1	
TP6701,02	EYF6CU	TEST POINT	2	
TP6801,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
	VSC4609	SHIELD CASE	4	
	VWZ0212	THERMAL CONDUCTIVE TUBE	4	
	XYN3+K6	SCREW	4	
	VMP6465	HEAT SINK HOLDER ANGLE B	2	
■ E9	VEP85208A	RF CUE P.C.BOARD	1	(RTL)
C4002	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4004	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4006	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4008	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4010,11	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4012	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C4013	ECHU1C822JB	P.CAPACITOR 16V 8200P	1	
C4014	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4015,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4018	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C4020	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4021,22	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4024	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4025	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4026	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4028	VCC0030	C.CAPACITOR	1	
C4030,31	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C4034-36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4037	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4038	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4039	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4040	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4041	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C4042	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4043	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4044	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C4047,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4049	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4050	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C4051,52	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C4053	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4055	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5001-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C5011-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5016-18	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C5101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5102	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5103	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5104	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5105	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C5106,07	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C5108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5109	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5110	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5111	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5112	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C5113,14	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C5115	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5116	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5117	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5118-21	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	4	
C5122	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5123	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5124	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5125-28	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	4	
C5201-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5210	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5211	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5212,13	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5214	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5215,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5217	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C5218	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5222	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5224	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5225,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5401-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5410	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5411	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5412,13	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5414	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5415,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5417	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C5418	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5420	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5422	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5424	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5425,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5601	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5605-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5609,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5611,12	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5613	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5614-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5619-22	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5623,24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5625,26	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5627	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5628-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5639-42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5643,44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5645,46	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5647	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5648-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5653-56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5657,58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5659,60	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5661	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5662-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5901	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5903,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5905	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5907-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5910	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5911	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5912	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5913,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5915	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5916,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5918	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5919-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5922	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5924	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5926,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5928	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
D4001	MA142K	DIODE	1	
D4003	MA3X71600L	DIODE	1	
D4004,05	MA142K	DIODE	2	
D5001	MA142K	DIODE	1	
D5002	MA3J14300L	DIODE	1	
D5201-04	MA142WK	DIODE	4	
D5401-04	MA142WK	DIODE	4	
D5602	MA142WK	DIODE	1	
D5604	MA142WK	DIODE	1	
D5901,02	MA3X71600L	DIODE	2	
FL4001	EIR7QF012B	TRANSFORMER	1	
IC4001,02	C0ABBB000184	IC	2	
IC4003	NJM78L09UA	IC	1	C0CBAHC00002
IC4005	C0CBADD00003	IC	1	
IC4006	C0CBBDB00004	IC	1	
IC4007	NJM78L09UA	IC	1	C0CBAHC00002
IC5001	C0JBAZ001437	IC	1	
IC5002	C0JBAB000541	IC	1	
IC5003	TC4S30F	IC	1	C0JBAZ000429
IC5004,05	C0JBAA000175	IC	2	
IC5006,07	TC4S30F	IC	2	C0JBAZ000429
IC5009	C0JBAA000175	IC	1	
IC5201-04	TC4S30F	IC	4	C0JBAZ000429
IC5205	LT1175CS8	IC	1	
IC5401-04	TC4S30F	IC	4	C0JBAZ000429
IC5405	LT1175CS8	IC	1	
IC5603,04	UPC5102GS030	IC	2	C1ZBZ0001316
IC5607,08	UPC5102GS030	IC	2	C1ZBZ0001316
IC5901,02	C0CBADD00003	IC	2	
IC5903	C0CBBDB00004	IC	1	
L4001	VLQ0423J472	COIL 4700UH	1	
L4004	VLQ0651K181	COIL 180UH	1	G1C181KA0013
L4005	VLQ0651K391	COIL 390UH	1	G1C391KA0013
L5101-08	VLQ0163J2R2	COIL 2.2UH	8	G1C2R2J00009
L5201,02	VLQ0319K330	COIL 33UH	2	G1C330KA0002
L5401,02	VLQ0319K330	COIL 33UH	2	G1C330KA0002
L5901-07	VLF1151A132	COIL	7	
P4001	VJP2278	CONNECTOR (MALE)	1	K1KA09A00087
P5901	VJS3375B080	CONNECTOR (FEMALE)	1	K1KB80B00010
P5902	VJS3900A024	CONNECTOR (FEMALE)	1	
P5903	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
Q4001	2SB779-R	TRANSISTOR	1	
Q4003	2SD874-R	TRANSISTOR	1	
Q4005	2SB792-R	TRANSISTOR	1	
Q4006,07	2SD1149-R	TRANSISTOR	2	
Q4008,09	2SD1979	TRANSISTOR	2	
Q4010	2SB779-R	TRANSISTOR	1	
Q4011	2SD874-R	TRANSISTOR	1	
Q5001	2SB1218A0L	TRANSISTOR	1	
Q5002	2SD1819A0L	TRANSISTOR	1	
Q5101	2SB709A	TRANSISTOR	1	
Q5102,03	2SC3735B35	TRANSISTOR	2	
Q5104	2SB709A	TRANSISTOR	1	
Q5105,06	2SC3735B35	TRANSISTOR	2	
Q5107	2SB709A	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q5108,09	2SC3735B35	TRANSISTOR	2	
Q5110	2SB709A	TRANSISTOR	1	
Q5111,12	2SC3735B35	TRANSISTOR	2	
Q5201-04	XP0150400L	TRANSISTOR	4	
Q5205,06	2SK508K512	TRANSISTOR	2	
Q5207,08	2SD1979	TRANSISTOR	2	
Q5209-11	2SC3935	TRANSISTOR	3	
Q5212,13	2SC4536	TRANSISTOR	2	
Q5214	2SC3935	TRANSISTOR	1	
Q5215	2SA153200L	TRANSISTOR	1	
Q5216	2SC4536	TRANSISTOR	1	
Q5401-04	XP0150400L	TRANSISTOR	4	
Q5405,06	2SK508K512	TRANSISTOR	2	
Q5407,08	2SD1979	TRANSISTOR	2	
Q5409-11	2SC3935	TRANSISTOR	3	
Q5412,13	2SC4536	TRANSISTOR	2	
Q5414	2SC3935	TRANSISTOR	1	
Q5415	2SA153200L	TRANSISTOR	1	
Q5416	2SC4536	TRANSISTOR	1	
Q5601-04	XP6534	TRANSISTOR-RESISTOR	4	
Q5605	XP4506	TRANSISTOR-RESISTOR	1	
Q5606,07	XP6534	TRANSISTOR-RESISTOR	2	
Q5608	XP4506	TRANSISTOR-RESISTOR	1	
Q5609,10	XP6534	TRANSISTOR-RESISTOR	2	
QR4001	UNR511300L	TRANSISTOR	1	
QR4003	UNR521300L	TRANSISTOR	1	
QR4005	UNR521300L	TRANSISTOR	1	
QR4006	UN5215	TRANSISTOR-RESISTOR	1	
QR4007,08	UNR511300L	TRANSISTOR	2	
QR4009,10	UNR521300L	TRANSISTOR	2	
QR5001-03	UNR511100L	TRANSISTOR	3	
QR5004	UNR521100L	TRANSISTOR	1	
QR5101-04	UNR521100L	TRANSISTOR	4	
QR5201-03	UNR511100L	TRANSISTOR	3	
QR5401-03	UNR511100L	TRANSISTOR	3	
R4001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4002	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4003	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4005	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4006	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4007	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4009	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4010	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4011	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4013	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4014	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4017	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4020	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4021	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4022	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4025	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4026	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4027	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4028	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4029	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4030	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R4032	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4033	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4034	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4035	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4036	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4037	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4038	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4039	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4040	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4041	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4042	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4043,44	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4045	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4046	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4047,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4049	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4050	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4051	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4054	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5002	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5003	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5004,05	D1H84734A008	COMBI.R-R 47K	2	
R5006,07	D1H810140001	COMBI.R-R 100	2	
R5008	D1H84734A008	COMBI.R-R 47K	1	
R5009,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5011,12	D1H810140001	COMBI.R-R 100	2	
R5013,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5015	D1H810140001	COMBI.R-R 100	1	
R5017	D1H84734A008	COMBI.R-R 47K	1	
R5018	D1H810140001	COMBI.R-R 100	1	
R5019	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5020	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5022	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5023	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5101	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5102	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5104	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5106	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5107	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5108	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5109	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5110	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5111	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5112	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5113	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5114	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5115	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5116	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5118	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5119	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5120	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5121	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5122	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5123	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5124	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5125	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5126	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5128	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5130	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5131	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5132	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5133	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5134	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5135	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5136	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5137	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5138	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5140	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5142	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5143	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5144	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5145	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5146	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5147	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5148	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5202,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5204-07	EXB24V472J	COMBI.R-R 4.7K	4	
R5208,09	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5211,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5217,18	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5219,20	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R5221-23	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R5224	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5225	ERJ3RED820	M.RESISTOR CH 1/16W 82	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5227	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5228	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5230	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5232,33	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R5234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5236-38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5239,40	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5241,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5243	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5244	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5245,46	ERJ3RED820	M.RESISTOR CH 1/16W 82	2	
R5247	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5248	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5249,50	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R5251	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5252	ERJ12YJ270	M.RESISTOR CH 1/2W 270	1	
R5253-56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5401	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5402,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5404-07	EXB24V472J	COMBI.R-R 4.7K	4	
R5408,09	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5411,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5417,18	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5419,20	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R5421-23	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R5424	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5425	ERJ3RED820	M.RESISTOR CH 1/16W 82	1	
R5427	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5428	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5430	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5431	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5432,33	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R5434	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5435	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5436-38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5439,40	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5441,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5443	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5444	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5445,46	ERJ3RED820	M.RESISTOR CH 1/16W 82	2	
R5447	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5448	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5449,50	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R5451	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5452	ERJ12YJ270	M.RESISTOR CH 1/2W 270	1	
R5453-56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5602	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5603,04	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5605,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5607,08	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5609	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5610,11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5612	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5613,14	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5615,16	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5617	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5618,19	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5620,21	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5622,23	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5624	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5625,26	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5627	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5628,29	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5630,31	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5632	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5633,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5635,36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5637,38	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5639,40	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5641	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5642,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5644	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5645,46	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5647,48	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5649	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5650,51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5652,53	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5654,55	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5656,57	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5658	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5659,60	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5661	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5662,63	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5664,65	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
RY4001	VSY2176	RELAY	1	K6B2CDA00045
RY5001	VSY2176	RELAY	1	K6B2CDA00045
T4001	VLT0729	TRANSFORMER	1	G4ZZ00000358
T4003	VLT0729	TRANSFORMER	1	G4ZZ00000358
TG4001	EYF6CU	TEST POINT	1	
TG5901	EYF6CU	TEST POINT	1	
TP4001,02	EYF6CU	TEST POINT	2	
TP4005,06	EYF6CU	TEST POINT	2	
VR4001	EVMEGSA00B15	V.RESISTOR 100K	1	
		MISCELLANEOUS		
	VMP5846	RF HOLDER ANGLE	1	
	VYQ1745	SHIELD CASE (UPPER) ASS'Y	1	
	VSC4933	SHILD HOLDER ANGLE	1	
	VSC4934	SHIELD ANGLE	1	
	VSC4928	EARTH FINGER	1	
	XSN26+3	SCREW	1	
	VSC4386	RF SHIELD CASE (MIDDLE)	1	
	XTV3+6FFR	SCREW	2	
	VSC4437	RF SHIELD CASE (LOWER)	1	
	VMZ3241	RF BARRIER	1	
■ E10	VEP80C41A	MOTHER P.C.BOARD	1	(RTL)
C1,C2	ECA1CHG682	E.CAPACITOR 16V 6800U	2	
D1	21DQ04	DIODE	1	B0JAME000021
L1,L2	VLP0017	COIL	2	J0JHB0000010
P1-15	K1KB96A00048	CONNECTOR (FEMALE)	15	
P16	VJP3375A080	CONNECTOR (MALE)	1	K1KA80A00054
P17	VJS3814	CONNECTOR (FEMALE)	1	K1KB96A00037
P18,19	K1KA08A00283	CONNECTOR (MALE)	2	
P20	K1KB30B00028	CONNECTOR (FEMALE)	1	
P21	VJP3510	CONNECTOR (MALE)	1	K1KAC8B00004
		MISCELLANEOUS		
	VKC0392	SPACER	1	
	VMP6815	JACK PB GUIDE ANGLE (B)	1	
	VMP6817	MOTHER ANGLE (B)	1	
	VMP6816	MOTHER ANGLE (A)	1	
	VMP6824	MOTHER ANGLE (C)	1	
	XYE3+EF8FZ	SCREW	8	
	XTV3+6F	SCREW	2	
	VMX2541	P.C.BOARD SPACER	1	
	XYN26+C12	SCREW	4	
	XNG26EFXS	NUT	4	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E11	VEP82239A	MECHA IF P.C.BOARD	1	(RTL)
C1,C2	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C3	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C6	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C9,10	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C11,12	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C14,15	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C16	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C151-59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C160-63	EEVHB1C470P	E.CAPACITOR 16V 47U	4	
C164,65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C201-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
D1	MA147	DIODE	1	
D153,54	MA3X71600L	DIODE	2	
IC1,C2	0P177GS	IC	2	
IC3	C0ABBB000124	IC	1	
IC4-C6	NJM4558M	IC	3	C0ABBB000044
IC151	NJM78L09UA	IC	1	C0CBAHC00002
IC152	NJM79L09UA	IC	1	C0CABBF00001
IC153-55	C0JBAZ000608	IC	3	
IC156,57	C0JBAQ000080	IC	2	
L151,52	VLF1151A132	COIL	2	
P11	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P12	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
P13	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P14	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P15	K1KA02B00075	CONNECTOR (MALE)	1	
P16	K1KA03B00102	CONNECTOR (MALE)	1	
P17	VJS3801D015	CONNECTOR (FEMALE)	1	
P18	K1KA02B00075	CONNECTOR (MALE)	1	
P19	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P20	K1KA03B00102	CONNECTOR (MALE)	1	
P21	K1KA02B00075	CONNECTOR (MALE)	1	
P22	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P24	K1KA02B00075	CONNECTOR (MALE)	1	
P25	K1KA03A00017	CONNECTOR (MALE)	1	
P26	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
P30	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P32	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P33	K1MN15B00033	CONNECTOR	1	
P34,35	VJS2889A017	CONNECTOR (FEMALE)	2	K1MN17A00008
P36	K1MN19B00007	CONNECTOR	1	
P48	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P151	VJS2899A096	CONNECTOR (FEMALE)	1	K1KB96A00035
Q1	2SB1218A-R	TRANSISTOR	1	
Q101-08	B1DZED000002	TRANSISTOR	8	
QR101-12	UNR521300L	TRANSISTOR	12	
R1,R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R7,R8	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R9	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R10	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R11	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R12	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R13	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R14	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R15	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R16	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R17	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R18	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R19	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R20	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R21	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R22	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R24	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R25	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R26	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R27	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R101-04	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R105-07	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	3	
R108,09	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R110	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R111,12	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R113-16	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	4	
R151-64	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	14	
R165	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R166,67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R168,69	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R201,02	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
VR1	EVMECSA00B24	V.RESISTOR 20K	1	
VR2	EVMECSA00B54	V.RESISTOR 50K	1	
VR201,02	EVMECSA00B24	V.RESISTOR 20K	2	
■ E12	VEP82247A	MECHA IF 2 P.C.BOARD	1	(RTL)
P1001,02	VJP3454B096	CONNECTOR (MALE)	2	K1KA96B00021
		MISCELLANEOUS		
	VMP6808	CONNECTION PB ANGLE	1	
	XTV3+6F	SCREW	2	
■ E13	VEP81221C	POWER 1 P.C.BOARD	1	(RTL)
C1002,03	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C1004	ECHU1H471GB	P.CAPACITOR 50V 470P	1	
C1005	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C1006	ECA1HXL010	E.CAPACITOR 50V 1U	1	
C1007	ECQE6473KF	P.CAPACITOR 630V 0.047U	1	
C1008	VCK0106K221	C.CAPACITOR 220P	1	
C1009	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1010	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C1011	ECA1VXL470	E.CAPACITOR 35V 47U	1	
C1012	ECA1HXL330	E.CAPACITOR 50V 33P	1	
C1015	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1017	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1101	ECA1HXL100	E.CAPACITOR 50V 10U	1	
⚠ C1107	ECQU2A474ML	P.CAPACITOR 100V 0.47U	1	
⚠ C1109	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1110,11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1114	ECUM1E474ZFM	C.CAPACITOR CH 25V 0.47U	1	
C1116	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C1117	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1119	ECQV1H684JF	P.CAPACITOR 50V 0.68U	1	
⚠ C1120	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1122	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1123	ECQE2W225KC	P.CAPACITOR 450V 2.2U	1	
C1124	EEUFC1H121L	E.CAPACITOR 50V 120U	1	
C1125	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1126	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C1127	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1128	ECQF6222JZH	P.CAPACITOR 630V 2200P	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1129	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1130,31	VCK0106K471	C.CAPACITOR 470P	2	
C1132	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1133,34	VCK0106K471	C.CAPACITOR 470P	2	
C1135	ECEC2WC151CB	E.CAPACITOR 450V 150P	1	
C1138	ECA1HXL220	E.CAPACITOR 50V 22U	1	
⚠ C1139	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1140	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1201-10	ECQE6473KF	C.CAPACITOR 1000P	10	
C1211-14	EEUFC1A682	E.CAPACITOR 10V 6800U	4	
C1215	EEUFC1E182	E.CAPACITOR 25V 1800U	1	
C1217	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1218	EEUFC1A682	E.CAPACITOR 10V 6800U	1	
C1219,20	EEUFC1E102LE	E.CAPACITOR 25V 1000U	2	
C1221	EEUFC1A682	E.CAPACITOR 10V 6800U	1	
C1222	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C1223	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1224-26	ECA1CXL101	E.CAPACITOR 16V 100U	3	
C1227,28	ECA1EXL101	E.CAPACITOR 25V 100U	2	
C1229,30	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C1231	ECA1CXL101	E.CAPACITOR 16V 100U	1	
C1232	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C1233	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1234	ECA1HXL100	E.CAPACITOR 50V 10U	1	
C1235	ECA1HXL2R2	E.CAPACITOR 50V 2.2U	1	
C1236,37	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C1239	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1240,41	ECQE6473KF	C.CAPACITOR 1000P	2	
C1242	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1243	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1244	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
D1001	MA142WA	DIODE	1	
D1002	MA142K	DIODE	1	
D1003	MA3240-H	DIODE	1	
D1005	EG01C	DIODE	1	B0HAGV000001
D1006	MA3051-M	DIODE	1	MAZ30510ML
D1007	SFPL-52	DIODE	1	
D1008	MA3200-M	DIODE	1	
D1009,10	SFPL-52	DIODE	2	
D1013	SFPL-52	DIODE	1	
D1101,02	MA3200-M	DIODE	2	
D1103	MA3068-M	DIODE	1	
D1104	MA142K	DIODE	1	
D1105,06	B0AAMT000002	DIODE	2	
D1107	MA142K	DIODE	1	
D1108	MA1070400L	DIODE	1	
D1109	RBV606	DIODE	1	
D1110	MA2P701A0L	DIODE	1	
D1111,12	MA3200-M	DIODE	2	
D1113-15	SFPL-52	DIODE	3	
D1116	MA3068-M	DIODE	1	
D1117	MA142K	DIODE	1	
D1118	FML-G26S	DIODE	1	
D1119,20	B0AAMT000002	DIODE	2	
D1201	D5S9M	DIODE	1	B0JARK000009
D1202,03	FML-G12SP	DIODE	2	
D1204	D20LC20U	DIODE	1	B0HBSM000021
D1205	FML-G12SP	DIODE	1	
D1206	MA142WA	DIODE	1	
D1207	FML-G12SP	DIODE	1	
D1208	MA142K	DIODE	1	
D1209	MA3160-L	DIODE	1	
D1210	MA142K	DIODE	1	
D1211	MA3100-M	DIODE	1	
D1212	MA3051-M	DIODE	1	MAZ30510ML
D1213	MA3240-H	DIODE	1	
D1214	MA3160-L	DIODE	1	
D1215	MA3100-M	DIODE	1	
D1216	MA142K	DIODE	1	
D1218	MA142K	DIODE	1	
D1219	MA3027-H	DIODE	1	
D1221	MA3027-H	DIODE	1	
D1222-24	MA142K	DIODE	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1001	FA5311BP	IC	1	C0DAAZZ00002
IC1101	MC33262P	IC	1	C0DAZZZ00013
IC1102	M51945BL	IC	1	C0EAB0000004
IC1103	M51951BL	IC	1	C0EAH0000030
IC1201	UPC1944J	IC	1	C0DAZLB00001
IC1202	C0DAEZH00010	IC	1	
IC1203	UPC1093J	IC	1	C0DAEMC00002
IC1204	C0BBBA000019	IC	1	
IC1205	PQ30RV31	IC	1	
L1001	VLP0074	COIL	1	J0JDB0000002
⚠ L1102,03	ELF21N020A	FILTER	2	
L1104	VLQ0820	COIL	1	
L1201	VLQ0655K220	COIL 22UH	1	
L1202	VLQ0826M4R7	COIL 4.7UH	1	
L1203	VLQ0826M100	COIL 10UH	1	
L1204,05	VLQ0826K220	COIL 22UH	2	
L1206	VLQ0655K220	COIL 22UH	1	
P1103	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112
P1201,02	K1KB08A00077	CONNECTOR (FEMALE)	2	
Q1001	B1DEFV000001	TRANSISTOR	1	
⚠ Q1002-04	B3QAZ0000030	PHOTO COUPLER	3	
Q1101	2SJ278	TRANSISTOR	1	
Q1102	TM1661S-L	DIODE	1	
Q1103	B1DEGR000013	TRANSISTOR	1	
Q1201	XN4501	TRANSISTOR-RESISTOR	1	
Q1202	XN0440100L	TRANSISTOR	1	
Q1203	XN4501	TRANSISTOR-RESISTOR	1	
QR1001	UNR221300L	TRANSISTOR	1	
QR1002	UN2111	TRANSISTOR-RESISTOR	1	
QR1101	UNR211200L	TRANSISTOR	1	
QR1102	UN2215	TRANSISTOR-RESISTOR	1	
QR1103	UN2113	TRANSISTOR-RESISTOR	1	
QR1104,05	UNR221300L	TRANSISTOR	2	
QR1201	UN2211	TRANSISTOR-RESISTOR	1	
QR1202	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1203	UN2111	TRANSISTOR-RESISTOR	1	
QR1204	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1205	UN2111	TRANSISTOR-RESISTOR	1	
QR1206,07	UNR221300L	TRANSISTOR	2	
R1002	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
⚠ R1003	VRT0142	THERMISTOR	1	D4DDB3310005
R1004	ERW1PKR33	W.RESISTOR 1W 0.33	1	
R1005	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R1006	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1007	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R1008,09	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1010	ERG2SJ180	M.RESISTOR 2W 18	1	
R1011	ERJ6RBD241	M.RESISTOR CH 1/10W 240	1	
R1012	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1014	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1015	ERJ12YJ220	M.RESISTOR CH 1/2W 22	1	
R1016,17	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1018	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R1019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1020	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1021	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1022	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R1101,02	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1103	ERJ6RBD273	M.RESISTOR CH 1/10W 27K	1	
R1104	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R1105	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1107	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R1108	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1109	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R1110	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R1112-14	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	
R1115,16	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R1117,18	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	2	
R1119	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1121,22	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1123,24	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	2	
⚠ R1125	ERU5TEJ100	F.RESISTOR 5W 10	1	
R1127-30	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	4	
R1131	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1132	ERG2SJ221	M.RESISTOR 2W 220	1	
R1133	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1134	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R1135	ERJ12YJ100	M.RESISTOR CH 1/2W 10	1	
R1136	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R1137	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1139	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R1140	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1141	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1142,43	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1144	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	1	
R1145	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R1146	ERJ12YJ472	M.RESISTOR CH 1/2W 4.7K	1	
R1147	ERG2SJ220	M.RESISTOR 2W 22	1	
R1148	ERF2TKR15	W.RESISTOR 2W 0.15	1	
R1150-52	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1153	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R1154	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1155	ERG2SJ220	M.RESISTOR 2W 22	1	
R1161	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1165	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1167-69	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1201	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	D0GD121JA003
R1202,03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1204-08	ERG2SJ220	M.RESISTOR 2W 22	5	
R1209	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1210,11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1212	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R1213	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R1214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1215	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1216,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1218,19	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1220	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1221	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1222	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1223	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R1224	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1225	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1226	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
⚠ R1227	VRT0033	THERMISTOR	1	D4DDB3310004
R1228,29	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1230	ERX2SZJR10	M.RESISTOR 2W 0.1	1	
R1231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1232	ERX2SZJR10	M.RESISTOR 2W 0.1	1	
R1233	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1235	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1237-39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1240	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R1241	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1244	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1245	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1247	ERG2SJ470	M.RESISTOR 2W 47	1	
R1248	ERG2SJ221	M.RESISTOR 2W 220	1	
R1249	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R1250,51	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1252	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1253	ERG2SJ220	M.RESISTOR 2W 22	1	
R1254	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R1255	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
⚠ T1001	ETS42AE326AD	TRANSFORMER	1	
VR1102	EVMEASA00B52	V.RESISTOR 500	1	
VR1201	EVMEASA00B13	V.RESISTOR 1K	1	
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VJR1008	EARTH LUG	4	
⚠	VMZ1608	CAPACITOR TUBE	3	
	VSC5221	HEAT SINK (A)	1	
	VSC5433	HEAT SINK (B)	1	
	VLP0336	FERRITE CORE	4	
	VLP0394	FERRITE BEAD	3	J0KE00000032
	VMZ2919	BARRIER	1	
	XYN3+F6FZS	SCREW	6	
	XYN3+F8FZS	SCREW	8	
	XYN3+F10	SCREW	4	
	VJF1348	CLAMPER	1	
	VSC4780	HEAT SINK (D)	1	
	VMZ3305	POWER COMMUTATION SHEET	1	
■ E14	VEP81222A	POWER 2 P.C.BOARD	1	(RTL)
⚠ C1502	F1BAH101A001	C.CAPACITOR 100P	1	
⚠ C1503	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1504	F1BAH101A001	C.CAPACITOR 100P	1	
⚠ L1501	ELF19N020A	FILTER	1	
⚠ P1501	VJS2985	CONNECTOR (FEMALE)	1	K2AH3H000012
P1502	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112
⚠ R1506	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	
		MISCELLANEOUS		
⚠	VMZ1608	CAPACITOR TUBE	2	
	EYF52BC	FUSE HOLDER	2	
⚠	VSF0106C31H	FUSE	1	
	VJR1008	EARTH LUG	2	
	VEE9627	FG CABLE	1	
⚠	VMP6812	AC IN HOLDER ANGLE	1	
	XSN3+6FZ	SCREW	2	
	XYN3+F8	SCREW	2	
	XYN4+E6VW	SCREW	1	
⚠	VMZ0429	FUSE COVER	1	
■ E15	VEP80C40A	AV JACK P.C.BOARD	1	(RTL)
C100	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C101	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C102,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C104	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C105-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C108	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C109,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C111	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C200	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C201	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C202	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C203	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C204,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C206,07	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C300-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C400,01	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C402,03	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C404-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C410,11	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C412,13	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C414,15	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C416,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C418-25	EEAHB1C470B	E.CAPACITOR 16V 47U	8	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501-16	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	16	
C517	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C518-24	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	7	
C526-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C601-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D100	MA3X71600L	DIODE	1	
IC100	NJM78L09UA	IC	1	C0CBAHC00002
IC101	NJM79L09UA	IC	1	C0CABBF00001
IC200	C0CBBDB00004	IC	1	
IC201	C0CBADD00003	IC	1	
IC400	C0CBADD00003	IC	1	
IC401	C0CBBDB00004	IC	1	
IC402,03	C0JBAB000243	IC	2	
IC404,05	NJM360M	IC	2	C0BBZB000001
IC500	C0JBAQ000168	IC	1	
IC501	SN74S1051NS	IC	1	
IC502	C0JBAB000542	IC	1	
IC503	C0JBAQ000168	IC	1	
IC504,05	C0JBAZ001935	IC	2	
IC601	C0JBAN000168	IC	1	
IC602	C0JBAZ001936	IC	1	
IC603	C0JBAN000168	IC	1	
J200-03	VJS3902	CONNECTOR (FEMALE)	4	K1CB204H0002
J300-03	K1AB103A0007	CONNECTOR (MALE)	4	
J304-09	VJP3417	CONNECTOR (MALE)	6	K1AA103A0003
J310	K1AB103A0007	CONNECTOR (MALE)	1	
J311	VJP3417	CONNECTOR (MALE)	1	K1AA103A0003
J400	VJS3902	CONNECTOR (FEMALE)	1	K1CB204H0002
L100,01	VLF1151A132	COIL	2	
L312,13	VLP0145	COIL	2	
L317	VLP0145	COIL	1	
L319	VLP0145	COIL	1	
L321	VLP0145	COIL	1	
L323	VLP0145	COIL	1	
L325	VLP0145	COIL	1	
L327	VLP0145	COIL	1	
L329	VLP0145	COIL	1	
L331-43	VLP0145	COIL	13	
L346,47	VLP0145	COIL	2	
L400,01	VLQ0319K470	COIL 47UH	2	G1C470K00013
L402,03	VLQ0426J120	COIL 12UH	2	G1C120J00005
P100	VJS3510	CONNECTOR (FEMALE)	1	K1KBC8A00003
P101	VJP3414A015	CONNECTOR (MALE)	1	K1FB115A0008
P102,03	VJP3414A009	CONNECTOR (MALE)	2	K1FB109A0016
P104	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P105	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P200	VJS3901	CONNECTOR (FEMALE)	1	K1CB204H0004
P400	VJS3901	CONNECTOR (FEMALE)	1	K1CB204H0004
P500	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P600	K1FA108A0003	CONNECTOR (MALE)	1	
Q200,01	2SC2295	TRANSISTOR	2	
Q400-02	2SC3930	TRANSISTOR	3	
Q403	2SA153200L	TRANSISTOR	1	
Q404	2SC3930	TRANSISTOR	1	
Q405	2SA153200L	TRANSISTOR	1	
Q406	2SC3930	TRANSISTOR	1	
Q407	2SA153200L	TRANSISTOR	1	
Q408	2SC3930	TRANSISTOR	1	
Q409	2SA153200L	TRANSISTOR	1	
Q500-05	XN1214	TRANSISTOR-RESISTOR	6	
R200-02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	D0YDR0000005
R203-05	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	3	
R206	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R207	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R208	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R209	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R210	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R211	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R212-17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	D0YDR0000005
R218	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R219	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R220	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R400,01	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R402-05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R406,07	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R408,09	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R410,11	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	2	
R412,13	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R414-19	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R420	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R421,22	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R423	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R424,25	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R426,27	ERJ6RED750	M.RESISTOR CH 1/10W 75	2	
R428,29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R430,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R500	ERQ12HJ2R7	F.RESISTOR 1/2W 2.7	1	
R501-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	24	D0GB103JA002
R525-28	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R529,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R600-03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R604-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R608	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R609-12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
SW200,01	VSS0307	SWITCH	2	K0D122A00105
SW600	VSS023706	SWITCH	1	K0D612A00005
		MISCELLANEOUS		
	VMP4866	D SUB ANGLE	1	
	VXQ0102	SCREW	10	K1YE50000008
	XYN26+F8	SCREW	2	
	VMP6814	JACK PB GUIDE ANGLE (A)	1	
	XSN26+8FZ	SCREW	2	
	XNG26EFXS	NUT	2	
■ E16	VEP86327A	FRONT P.C.BOARD	1	(RTL)
C100,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C102	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C104	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C105-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C108	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C109-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C203-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C300-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C400	ECUX1E473KBV	C.CAPACITOR CH 25V 0.047U	1	
C401	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C402	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C403	EEUFC1J101	E.CAPACITOR 63V 100U	1	
C404	EEUFC1A122	E.CAPACITOR 10V 1200U	1	
C405	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C406,07	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C409	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C410	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C411	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C412	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C413	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C415	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C417,18	ECCF1H102J	C.CAPACITOR 50V 1000P	2	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501	EEVHB1C470P	E.CAPACITOR 16V 47U	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C502	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C506	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C507	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C508	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C515	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C516	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C517,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C519	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C520	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C521,22	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C525,26	F1H1H122A219	C.CAPACITOR CH 50V 1200P	2	
C527	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D300	LNW9A8BYBZ	LED	1	
D301-03	LN38GCPP	LED	3	
D304	LN48YCPP	LED	1	
D305	LN38GCPP	LED	1	
D306	LNW9A8BYBZ	LED	1	
D400	MAZ33300ML	DIODE	1	
D401	U1GU44	DIODE	1	
D402	MA3062M	DIODE	1	
D403	MA152K	DIODE	1	
D404	MA3150-M	DIODE	1	
D405	MAZ30270HL	DIODE	1	
D500-03	MA3X71600L	DIODE	4	
D505	MA3X71600L	DIODE	1	
D506	MA142WA	DIODE	1	
DP400	A2BZ00000033	LCD	1	
FL500,01	J0HAAC000013	FILTER	2	
IC100	C0JBAZ000994	IC	1	
IC101	C0JBAB000541	IC	1	
IC102	C0JBAZ001121	IC	1	
IC103	UPC339G2	IC	1	
IC203-06	C0JBAZ001935	IC	4	
IC300-02	C0JBAQ000168	IC	3	
IC400	UPD16310GF	IC	1	
IC401	C0JBAM000052	IC	1	
IC403	C0JBAM000052	IC	1	
IC500	C0CBADC00063	IC	1	
IC502	XC62FP3202P	IC	1	
IC503,04	C0ABBA000071	IC	2	
IC505	NJM78L09UA	IC	1	C0CBAHC00002
IC506	NJM79L09UA	IC	1	C0CABBF00001
IC507	NJM4556AM	IC	1	C0ABBB000042
J500	VJJ0571	JACK	1	
L100-02	VLF1151A132	COIL	3	
L103	VLP0133	COIL	1	
L400	VLQ0655K220	COIL 22UH	1	
L500,01	VLP0146	COIL	2	
P100	K1KA30C00003	CONNECTOR (MALE)	1	
P101	VJP1246T	CONNECTOR (MALE) 6P	1	
P300	K1KB07A00019	CONNECTOR (FEMALE)	1	
Q400,01	2SD602A-R	TRANSISTOR	2	
Q402	B1BBGE000001	TRANSISTOR	1	
Q403	2SD602A-R	TRANSISTOR	1	
Q404	2SJ278	TRANSISTOR	1	
Q405-07	2SB1219A	TRANSISTOR	3	
Q500,01	2SD1328	TRANSISTOR	2	
QR300-03	UN2214	TRANSISTOR-RESISTOR	4	UNR221400L
QR304-06	UN2114	TRANSISTOR-RESISTOR	3	
QR307-13	UN2214	TRANSISTOR-RESISTOR	7	UNR221400L
QR314	UN2114	TRANSISTOR-RESISTOR	1	
QR318,19	UN2214	TRANSISTOR-RESISTOR	2	UNR221400L
QR339	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR400-02	UNR221300L	TRANSISTOR	3	
R103	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R104	D0GZ103J0001	M.RESISTOR CH 10K	1	
R105	D1H84704A008	COMBI.R-R 47	1	
R107	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R108	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R109	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R110	D1H84704A008	COMBI.R-R 47	1	
R113-16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R117-20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R123-26	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R127	D0GZ103J0001	M.RESISTOR CH 10K	1	
R131,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R133,34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R206-13	D1H847240002	COMBI.R-R 4.7K	8	
R214	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R215	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R300	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R301-04	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	4	
R305	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R306	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R307-14	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	8	
R318,19	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R339	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R400	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R401	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	1	
R402	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R403,04	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R405	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
⚠ R407	K5H3121A0004	FUSE	1	
R408	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R409-11	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	3	
R412	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R413,14	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R416	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R417	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R418	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R420-22	ERJ8GEYJ682	M.RESISTOR CH 1/8W 6.8K	3	
R423-28	ERJ8GEYJ332	M.RESISTOR CH 1/8W 3.3K	6	
R442-44	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	3	
R445	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R503	D1H810240001	COMBI.R-R 1K	1	
R504,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R506,07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R508,09	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R510,11	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R512	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R513,14	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R515	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R516,17	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R519,20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R521-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R529	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
SW222	VSP0791	SWITCH	1	K0F111A00279
SW223	K0F111A00426	SWITCH	1	
SW224	VSP0792	SWITCH	1	K0F111A00280
SW225	VSP0789	SWITCH	1	K0F111A00283
SW226	VSP0790	SWITCH	1	K0F111A00278
SW227,28	VSP0864A000	SWITCH	2	K0F111A00243
SW229	VSS0313	SWITCH	1	K0D113A00044
SW230	VSS0279	SWITCH	1	K0D112A00094
SW231	VSS0313	SWITCH	1	K0D113A00044
SW232,33	VSS0279	SWITCH	2	K0D112A00094
SW234,35	EVQPAD04M	SWITCH	2	
SW236	VSS0279	SWITCH	1	K0D112A00094
SW237-44	EVQPAD04M	SWITCH	8	
SW247,48	EVQPAD04M	SWITCH	2	
T400	G4ZZ00000446	TRANSFORMER	1	
VR500-03	VRV0279	V.RESISTOR	4	D2BCA54B0003
VR505	EVJY00F15A14	V.RESISTOR 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	VMX2126	LED SPACER	5	
	VJF1466	LCD HOLDER	2	
	VMX3227	LED HOLDER	2	
	VGU9191	KEY TOP BUTTON	2	
	VSC5409	HEADPHONE EARTH ANGLE	1	
	VSC5450	EARTH ANGLE	1	
■ E17	VEP80C43A	FRONT SUB P.C.BOARD	1	(RTL)
D700	LN38GCPP	LED	1	
D702,03	LN48YCPP	LED	2	
D704	LNW9A8BYBZ	LED	1	
P700	K1KA07A00083	CONNECTOR (MALE)	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	4	
■ E18	VEP80C42A	EJECT P.C.BOARD	1	(RTL)
SW600	VSP0864C001	SWITCH	1	K0F111A00274
		MISCELLANEOUS		
	VWJ03CN060AA	FLAT CABLE	1	
■ E19	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	

ELECTRICAL REPLACEMENT PARTS LIST (AJ-SD955AP)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP84383A	F1 AUDIO P.C.BOARD	1	(RTL)
■ E2	VEP84384A	F2B A PROC P.C.BOARD	1	(RTL)
■ E3	VEP83605A	F3A SDI P.C.BOARD	1	(RTL)
■ E4	VEP83596C	F4 REC PB P.C.BOARD	1	(RTL)
■ E5	VEP83597C	F5 V OUT P.C.BOARD	1	(RTL)
■ E6	VEP86326C	F6 SYSCON P.C.BOARD	1	(RTL)
■ E7	VEP82246C	F7 SERVO P.C.BOARD	1	(RTL)
■ E8	VEP85207A	F8 RF EQ P.C.BOARD	1	(RTL)
■ E9	VEP85208A	RF CUE P.C.BOARD	1	(RTL)
■ E10	VEP80C41A	MOTHER P.C.BOARD	1	(RTL)
■ E11	VEP82239A	MECHA IF P.C.BOARD	1	(RTL)
■ E12	VEP82247A	MECHA IF 2 P.C.BOARD	1	(RTL)
■ E13	VEP81221C	POWER 1 P.C.BOARD	1	(RTL)
■ E14	VEP81222A	POWER 2 P.C.BOARD	1	(RTL)
■ E15	VEP80C40A	AV JACK P.C.BOARD	1	(RTL)
■ E16	VEP86327B	FRONT P.C.BOARD	1	(RTL)
■ E17	VEP80C43A	FRONT SUB P.C.BOARD	1	(RTL)
■ E18	VEP80C42A	EJECT P.C.BOARD	1	(RTL)
■ E19	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
■ E1	VEP84383A	F1 AUDIO P.C.BOARD	1	(RTL)
C4100-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4104-07	ECEA1HGE330	E.CAPACITOR 50V 33U	4	
C4114-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4118,19	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4120,21	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4126,27	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4128-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4134,35	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4200-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4204-07	ECEA1HGE330	E.CAPACITOR 50V 33U	4	
C4214-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4218,19	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4220,21	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4226,27	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4228-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4234,35	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4300-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4304-07	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4308-11	EEVHB1C220	E.CAPACITOR 16V 22U	4	
C4313,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4316,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4319,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4322,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4324-27	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4328	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4329-32	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C4334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4336	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4338	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4341	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4343	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4344	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4345	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4346,47	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4348,49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4350,51	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4352-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4356-59	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	4	
C4360	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4361-68	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	8	
C4373-76	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4451	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4454,55	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4456	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4457	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4458	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C4459,60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4461,62	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4463,64	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C4465-68	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	4	
C4469,70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4473,74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4475,76	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4477,78	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C4479-82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4483,84	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4487,88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4489,90	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4499	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4501	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4560,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4562,63	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4568,69	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4570,71	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4572,73	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4574,75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4576,77	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4578,79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4580,81	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4582-85	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4586,87	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4588,89	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C4590-93	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4598,99	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C4690,91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4692,93	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4698,99	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4700,01	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4702,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4704,05	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4706,07	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4708,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4710,11	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4712-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4716,17	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4718,19	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C4720-23	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4728,29	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C4820,21	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4822-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4828,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4832,33	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4834,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4836,37	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4838,39	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4844-47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4848,49	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4850,51	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4852-55	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4858-61	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4862,63	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4950	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4951	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4953,54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4955,56	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4957-63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C4964	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4965	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5001	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5003	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5007	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5008,09	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	2	
C5010	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5011,12	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C5014,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5017	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C5018-20	ECHU1C104J	P.CAPACITOR 16V 0.1U	3	
C5021,22	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C5023	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C5025,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C5028	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5030	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5031	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	F1K1C224A029
C5034	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5035	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C5036	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5037	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5039	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C5040	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5041	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C5042	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5043	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C5044	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5045	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5049-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5057-60	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C5066,67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5068	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C5200	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5201	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5202	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C5203	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C5207	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5209,10	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5214	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5215,16	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C5217	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5218	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C5219	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C5220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5225	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5226	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5228	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5400	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5402-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
D4100-03	MA3X15700L	DIODE	4	
D4104	MA3X71600L	DIODE	1	
D4200-03	MA3X15700L	DIODE	4	
D4204	MA3X71600L	DIODE	1	
D4450	MA147	DIODE	1	
D4451	MA142WK	DIODE	1	
D4453-55	MA142WK	DIODE	3	
D4460	MA142WK	DIODE	1	
D4562-65	MA3X15700L	DIODE	4	
D4566,67	MA142WA	DIODE	2	
D4692-95	MA3X15700L	DIODE	4	
D4696,97	MA142WA	DIODE	2	
D4820-23	MA3X15700L	DIODE	4	
D4824-26	MA142WA	DIODE	3	
D5001,02	MA3X71600L	DIODE	2	
D5200	MA152A	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D5201,02	MA3X15700L	DIODE	2	
FL4950	VLF1466B223	LINE FILTER	1	
IC4100,01	C0ABBB000184	IC	2	
IC4102,03	THC4052FT	IC	2	
IC4104	C0CBADD00003	IC	1	
IC4105	C0CBBDB00004	IC	1	
IC4106,07	C0ABBB000184	IC	2	
IC4110,11	C0ABBB000184	IC	2	
IC4112,13	THC4052FT	IC	2	
IC4200,01	C0ABBB000184	IC	2	
IC4202,03	THC4052FT	IC	2	
IC4204	C0CBADD00003	IC	1	
IC4205	C0CBBDB00004	IC	1	
IC4206,07	C0ABBB000184	IC	2	
IC4210,11	C0ABBB000184	IC	2	
IC4212,13	THC4052FT	IC	2	
IC4300	C0JBAZ001121	IC	1	
IC4301-04	C0ABBB000184	IC	4	
IC4306,07	C0FBZK000006	IC	2	
IC4308	C0CBABE00013	IC	1	
IC4309-12	C0ABBB000184	IC	4	
IC4313-16	THC4052FT	IC	4	
IC4450	C0FBBK000029	IC	1	
IC4451	C0CBADD00003	IC	1	
IC4452	C0CBBDB00004	IC	1	
IC4453,54	C0ABBB000184	IC	2	
IC4455	C0CBADD00003	IC	1	
IC4456	C0CBBDB00004	IC	1	
IC4457,58	THC4052FT	IC	2	
IC4459	C0CBADD00003	IC	1	
IC4460	C0CBBDB00004	IC	1	
IC4463,64	C0ABBB000184	IC	2	
IC4465	C0CBADC00063	IC	1	
IC4560,61	C0ABBB000184	IC	2	
IC4562,63	THC4052FT	IC	2	
IC4564-67	NJM4556AM	IC	4	C0ABBB000042
IC4690,91	C0ABBB000184	IC	2	
IC4692,93	THC4052FT	IC	2	
IC4694-97	NJM4556AM	IC	4	C0ABBB000042
IC4822,23	C0ABBB000184	IC	2	
IC4824,25	TC4W53FU	IC	2	
IC4826	THC4052FT	IC	1	
IC4827	NJM4556AM	IC	1	C0ABBB000042
IC4828	THC4052FT	IC	1	
IC4829-31	NJM4556AM	IC	3	C0ABBB000042
IC4832	C0ABBB000184	IC	1	
IC4950	C3BBFC000270	IC	1	
IC4951	C0CBAAB00021	IC	1	
IC4952	C1ZBZ0001836	IC	1	
IC5001-03	C0ABBB000184	IC	3	
IC5004	C0JBAS000075	IC	1	
IC5005,06	C0ABBB000184	IC	2	
IC5008	C0JBAS000075	IC	1	
IC5009	C1BB00000311	IC	1	
IC5010	C0ABBB000184	IC	1	
IC5011	THC4052FT	IC	1	
IC5013	C0CBADD00003	IC	1	
IC5015	C0ABBB000184	IC	1	
IC5016	C0CBBDB00004	IC	1	
IC5017	C0CBADD00003	IC	1	
IC5019	C0CBBDB00004	IC	1	
IC5020	NJM78L09UA	IC	1	C0CBAHC00002
IC5200	C0JBAZ001121	IC	1	
IC5202	C0FBZH000011	IC	1	
IC5203	C0ABBB000184	IC	1	
IC5204	C0CBABE00013	IC	1	
IC5401	C0JBAZ001003	IC	1	
IC5402	C0JBAZ001137	IC	1	
IC5404	C0JBAZ001121	IC	1	
IC5405	C0JBAA000261	IC	1	
ID5400	VVVSI3891	SOFTWARE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IP5400	C1ZBZ0001555	IC	1	
L4950	VLF1151A132	COIL	1	
P4001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P5400	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q4450-53	2SB1219A-R	TRANSISTOR	4	
Q4454,55	2SD1979	TRANSISTOR	2	
Q4560,61	2SD1979	TRANSISTOR	2	
Q4562	2SD602A-R	TRANSISTOR	1	
Q4563	2SB710A-R	TRANSISTOR	1	
Q4564-69	2SD1328	TRANSISTOR	6	
Q4690,91	2SD1979	TRANSISTOR	2	
Q4692	2SD602A-R	TRANSISTOR	1	
Q4693	2SB710A-R	TRANSISTOR	1	
Q4694-99	2SD1328	TRANSISTOR	6	
Q4820	2SD602A-R	TRANSISTOR	1	
Q4821	2SB710A-R	TRANSISTOR	1	
Q4822-29	2SD1328	TRANSISTOR	8	
Q5200-02	2SD1328	TRANSISTOR	3	
QR4450-53	UNR521300L	TRANSISTOR	4	
QR4454,55	UNR511300L	TRANSISTOR	2	
QR4560,61	UNR521300L	TRANSISTOR	2	
QR4562,63	UNR511300L	TRANSISTOR	2	
QR4690,91	UNR521300L	TRANSISTOR	2	
QR4692,93	UNR511300L	TRANSISTOR	2	
R4001	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4030,31	ERDS2TJ392	C.RESISTOR 1/4W 3.9K	2	D0AE392JA045
R4100,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4102,03	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4104,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4106-09	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4110-13	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4114	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4115	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4116	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4117	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4118	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4119	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4120	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4121	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4122	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4123	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4124	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4125	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4126-29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4130	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4131	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4132	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4133	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4134	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4135	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4136	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4137	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4138	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4139	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4140	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4141	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4142-47	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4148,49	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4150,51	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4152,53	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R4154,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4156,57	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4160,61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4162,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4164,65	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4166	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4168	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4170	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4171	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4172	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4173	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4174	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4175	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4176	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4177	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4178	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4179	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4180	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4181	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4182	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4183	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4184	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4185	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4186,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4188,89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4190,91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4200,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4202,03	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4204,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4206-09	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4210-13	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4214	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4215	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4216	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4217	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4218	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4219	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4220	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4221	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4222	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4223	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4224	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4225	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4226-29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4230	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4231	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4232	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4233	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4234	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4235	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4236	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4237	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4238	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4239	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4240	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4241	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4242-47	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4248,49	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4250,51	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4252,53	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R4254,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4256,57	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4260,61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4262,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4264,65	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4266	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4268	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4271	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4272	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4273	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4274	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4275	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4276	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4277	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4278	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4279	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4280	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4281	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4282	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4283	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4284	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4285	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4286,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4288,89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4290,91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4300	D1H84704A008	COMBI.R-R 47	1	
R4301	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4302,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4304-15	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	12	
R4316-19	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	4	
R4320-27	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4328-35	ERJ3RBD331	M.RESISTOR CH 1/16W 330	8	
R4336,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4338,39	D1H84704A008	COMBI.R-R 47	2	
R4340-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4344	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4346	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4347-49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4350-61	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	12	
R4362-69	ERJ3RBD201	M.RESISTOR CH 1/16W 200	8	
R4370-73	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4378-81	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	4	
R4382	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4383	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4384	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4385	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4386	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4387	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4388	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4389	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4390	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4391	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4392	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4393	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4394	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4395	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4396	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4397	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4398	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4399	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4400	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4401	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4402	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4403	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4404	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4405	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4406	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4407	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4408	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4409	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4410-14	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R4417,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4454	D1H84704A008	COMBI.R-R 47	1	
R4455,56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4457	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4458	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4459,60	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4461	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4462	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4463	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4464	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4465	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4466	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4468-71	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4472	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4473,74	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4475-78	ERJ3RBD201	M.RESISTOR CH 1/16W 200	4	
R4479	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4481,82	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4485,86	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	2	
R4487	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4488	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4489	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4490	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4491	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4492	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4493	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4494	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4495	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4496	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4497	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4498	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4499	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4500	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4501,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4505,06	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4507,08	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4511	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4512	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4513	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4514	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4515	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4516	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4517,18	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4519,20	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4521,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4523,24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4527-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R4534	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4560,61	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4564,65	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4566,67	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4568,69	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4570	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4571	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4572	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4573	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4574	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4575	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4576,77	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4578,79	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4580,81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4582,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4586,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4588,89	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4590,91	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4592	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4593	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4594	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4595	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4596	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4597	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4598	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4599	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4600	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4601	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4602	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4603	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4604	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4605	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4606-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4610,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4612,13	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4616,17	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4618,19	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4620,21	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4622-29	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4630-33	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4634,35	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4636-39	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4640,41	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4642-45	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4646-49	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4650-53	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4654-61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4690,91	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4694,95	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4696,97	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4698,99	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4700	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4701	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4702	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4703	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4704	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4705	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4706,07	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4708,09	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4710,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4712,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4716,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4718,19	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4720,21	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4722	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4723	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4724	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4725	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4726	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4727	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4728	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4729	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4730-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4734	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4735	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4736	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4737	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4738	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4739	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4740,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4742,43	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4746,47	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4748,49	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4750,51	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4752-59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4760-63	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4764,65	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4766-69	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4770,71	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4772-75	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4776-79	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4780-83	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4784-91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4820,21	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4822,23	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	2	
R4824,25	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4826	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4828	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4830,31	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4832,33	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R4834-39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R4840,41	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4842	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4843	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4844	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4845	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4846	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4847	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4848	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4849	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4850	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4851	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4852	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4853	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4854	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4855	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4856,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4858,59	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4862,63	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4864,65	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4866,67	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	2	
R4868-75	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4876-79	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4880,81	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4882-85	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4886,87	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4888-91	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4892,93	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4894,95	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4896,97	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4898,99	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4900,01	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4902,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4904,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4906	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4907	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4908	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4909	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4911-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4950-53	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R4954	D1H810140001	COMBI.R-R 100	1	
R4958	D1H84734A008	COMBI.R-R 47K	1	
R4960,61	D1H84734A008	COMBI.R-R 47K	2	
R4965	D1H84734A008	COMBI.R-R 47K	1	
R4967-69	D1H84734A008	COMBI.R-R 47K	3	
R4971-74	D1H84734A008	COMBI.R-R 47K	4	
R4979	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5001	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5003	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5004,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5006	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R5008	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5010	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5012	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5014	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5015	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5017	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5018	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5020	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R5022	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5024	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5025	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5026	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5027	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5029	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5030	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5032	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5033	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5035	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R5037	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5038	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5039	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R5041	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5043	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5045,46	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5047	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R5049	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5050,51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5052	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5053,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5055-57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R5059	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5060	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5061,62	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5071	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5078	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R5079	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5080	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5081	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5082	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5084	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5085	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5086	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5088	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5089	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5090	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5201	D1H84704A008	COMBI.R-R 47	1	
R5202	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5204	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5205	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5206	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5207	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5208	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R5209	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5211	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R5212	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5213	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R5215	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R5216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5217	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R5218	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5219	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5221,22	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5226	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5228,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5231	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5232	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5236	D1H84704A008	COMBI.R-R 47	1	
R5237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5238	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5239	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R5241	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5242	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5400	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5402,03	D0GZ220J0001	M.RESISTOR CH 22	2	
R5405	D1H810240001	COMBI.R-R 81	1	
R5406	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5407,08	D1H84734A008	COMBI.R-R 47K	2	
R5409	D0GZ103J0001	M.RESISTOR CH 10K	1	
SW4100,01	VSS0126	SWITCH	2	
SW4200,01	VSS0126	SWITCH	2	
TG4100	EYF6CU	TEST POINT	1	
TG4200	EYF6CU	TEST POINT	1	
TG4300	EYF6CU	TEST POINT	1	
TG5001	EYF6CU	TEST POINT	1	
TP4300-02	EYF6CU	TEST POINT	3	
TP4560,61	EYF6CU	TEST POINT	2	
TP4690,91	EYF6CU	TEST POINT	2	
TP4820,21	EYF6CU	TEST POINT	2	
TP5002	EYF6CU	TEST POINT	1	
TP5200	EYF6CU	TEST POINT	1	
VR4300-03	EVMEGSA00B53	V.RESISTOR 5K	4	
VR4450,51	EVMEGSA00B14	V.RESISTOR 10K	2	
VR4560,61	EVMEGSA00B14	V.RESISTOR 10K	2	
VR4690,91	EVMEGSA00B14	V.RESISTOR 10K	2	
VR5001	EVMEGSA00B24	V.RESISTOR 20K	1	
VR5003,04	EVMEGSA00B53	V.RESISTOR 5K	2	
VR5006	EVMEGSA00B24	V.RESISTOR 20K	1	
VR5007	EVMEGSA00B14	V.RESISTOR 10K	1	
VR5009	EVMEGSA00B14	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E2	VEP84384A	F2B A PROC P.C.BOARD	1	(RTL)
C4055	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4056	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4061-63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4064,65	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4066,67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4100-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4103	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4150-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4300,01	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4302,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4305,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4350-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4400	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4401-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C4500	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4501-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C4550	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4551-58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C4600	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4601	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4602-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4653,54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4655,56	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
IC4052,53	C0CBAAB00021	IC	2	
IC4100	C0JBAZ001121	IC	1	
IC4101	C0JBAZ001137	IC	1	
IC4102	C0JBAZ001121	IC	1	
IC4150-52	C0JBAZ001003	IC	3	
IC4301	C0ZBZ0000363	IC	1	
IC4302	C0JBAZ001003	IC	1	
IC4350	C0JBAZ001003	IC	1	
IC4400	C1ZBZ0001836	IC	1	
IC4500	C1ZBZ0001836	IC	1	
IC4550,51	C3BBFC000270	IC	2	
IC4552	C1AB00001135	IC	1	
IC4553,54	C3BBFC000270	IC	2	
IC4601	UPD65949G076	IC	1	C1AB00000858
IC4602	C3BBFC000270	IC	1	
IC4651,52	C5AB00000006	IC	2	
ID4351	VVVSI3878A	SOFTWARE	1	
IP4351	C1ZBZ0001555	IC	1	
L4052	VLF1151A132	COIL	1	
L4301	VLQ0319K470	COIL 47UH	1	G1C470K00013
P4001	K1KA96B00032	CONNECTOR (MALE)	1	
P4350	K1KA08B00147	CONNECTOR (FEMALE)	1	
R4001	D1H810140001	COMBI.R-R 100	1	
R4100	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4101,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4103,04	D1H84734A008	COMBI.R-R 47K	2	
R4105,06	D0GZ220J0001	M.RESISTOR CH 22	2	
R4150-52	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4153,54	D1H84704A008	COMBI.R-R 47	2	
R4155,56	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4157	D1H84704A008	COMBI.R-R 47	1	
R4160-64	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R4301	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4302	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4303-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R4310	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4350	D1H810240001	COMBI.R-R 81	1	
R4351	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4352	D0GZ103J0001	M.RESISTOR CH 10K	1	
R4400,01	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
R4410,11	D1H84734A008	COMBI.R-R 47K	2	
R4412	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4500,01	D1H84734A008	COMBI.R-R 47K	2	
R4502	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4550	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4551	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4554	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4600	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
TG4001	EYF6CU	TEST POINT	1	
TP4409	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E3	VEP83605A	F3A SDI P.C.BOARD	1	(RTL)
C3000,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3002	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3003	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3004-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3007	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3008	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3009	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3100,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3103,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3107	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3200	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3202	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3203	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3204-06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C3207	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3208	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3209	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C3210	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C3211	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C3212	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3213,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3215,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3217	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3218	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3219	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3221	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3222	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3223	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3224	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3225	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3226	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3227	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3228	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C3330-38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3400-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3410,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3412	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3413-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3416	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3417	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3418	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3419	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3424-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3427-29	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3430	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3500-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3507-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3521	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3523	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3524	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3525	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3527	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3529	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3530	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3531	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3532	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3533,34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
D3201,02	MA3J14300L	DIODE	2	
IC3000	LT1963EST	IC	1	
IC3102,03	C0JBAZ001121	IC	2	
IC3104,05	C0JBAZ001137	IC	2	
IC3200	LT1086CM	IC	1	C0CBAYG00001
IC3201	C1AB00001385	IC	1	
IC3203	GS9028-CKA	IC	1	C1AB00000365
IC3204	C1AB00001651	IC	1	
IC3300	C0JBAZ001728	IC	1	
IC3301	C1AB00001648	IC	1	
IC3400	C0JBAZ001728	IC	1	
IC3401	C1AB00001648	IC	1	
IC3402	C1AB00001386	IC	1	
IC3403	C0CBABE00013	IC	1	
IC3404	LT1086CM	IC	1	C0CBAYG00001
IC3405	C0JBAZ001121	IC	1	
IC3500,01	C0JBAZ001121	IC	2	
IC3502	C1ZBZ0001837	IC	1	
IC3505	UPD6456T611Y	IC	1	C1AB00000555
IC3507	C1AB00001386	IC	1	
IC3508	C0JBAZ001003	IC	1	
IC3509,10	C0JBAZ001121	IC	2	
ID3503	VVVSI3855	SOFRWARE	1	
IP3503	C3ZBH0000010	IC	1	
J3200,01	K1QZA1BA0001	CONNECTOR	2	
J3400,01	K1QZA1BA0001	CONNECTOR	2	
J3500	K1QZA1BA0001	CONNECTOR	1	
L3000,01	VLF1151A132	COIL	2	
L3200	VLQ0426J015	COIL 15UH	1	
L3201,02	VLQ0426J010	COIL 1UH	2	
L3400,01	VLQ0426J010	COIL 1UH	2	
L3500,01	VLQ0426J010	COIL 1UH	2	
P3000	K1KA96B00032	CONNECTOR (MALE)	1	
P3500	K1KA08B00147	CONNECTOR (FEMALE)	1	
R3100,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3102-05	D1H84734A008	COMBI.R-R 47K	4	
R3106	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3200	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R3201	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R3202,03	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3205	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3206,07	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R3208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3209	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3210	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R3212	ERJ3EKF3650	M.RESISTOR CH 1/16W 3.6M	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3214-17	ERJ3RED910	M.RESISTOR CH 1/16W 91	4	
R3218	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R3219-22	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R3223	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3224	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3225	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3226-28	D1H810140001	COMBI.R-R 100	3	
R3229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3230	ERJ6RBD361	M.RESISTOR CH 1/10W 360	1	
R3231	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R3331-33	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	3	
R3334	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3335	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3336	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3337	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3400	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3401-03	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	3	
R3404	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3405-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3409	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3413	ERJ3EKF3740	M.RESISTOR CH 1/16W 370K	1	
R3414	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3415	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3416-19	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R3420	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3421,22	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3423	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3424	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3425	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R3426	ERJ6RBD361	M.RESISTOR CH 1/10W 360	1	
R3427	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R3428-30	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	3	
R3431,32	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3500,01	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R3502-04	D1H810140001	COMBI.R-R 100	3	
R3505,06	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3508	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3509	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3512,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3514	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3515	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3516-18	D1H810140001	COMBI.R-R 100	3	
R3519	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3520	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3521	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3522-24	D1H810140001	COMBI.R-R 100	3	
R3526	ERJ3EKF3740	M.RESISTOR CH 1/16W 370K	1	
R3527	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3528	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3529	D1H833040002	COMBI.R-R 83K	1	
R3530,31	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3533-37	ERJ6RED750	M.RESISTOR CH 1/10W 75	5	
R3538-41	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3542	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3543	D1H84734A008	COMBI.R-R 47K	1	
R3545,46	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
TG3000	EYF6CU	TEST POINT	1	
TG3200	EYF6CU	TEST POINT	1	
TG3400	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E4	VEP83596C	F4 REC PB P.C.BOARD	1	(RTL)
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3013-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3020	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3021-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3026,27	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3028-30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3031	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3032-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3041-44	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3045,46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3047,48	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3050	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3051,52	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3053-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3056	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3057	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3058,59	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3061-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3065	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3066	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3067	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3069,70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3071	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3072	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3073	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3074	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3075	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3076	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3077	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3079	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3080-92	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C3150	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3151-70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	20	
C3171	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3172	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3173	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3174	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3180	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3181	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3182	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3183	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3184-87	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3200-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3210-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3218	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3219	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3240	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3241	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3242-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3260-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C3275	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3276	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3277	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3278	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3279	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3280,81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3290-93	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3300-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3304	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3305	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3307	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3308	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3309-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
C3325	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3326	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3350-62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C3363	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3364-68	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3380-85	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3450-57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3460-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3472	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3473-75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3500	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3501-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3550-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3554	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3555,56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3557	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3558	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3559-61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3562	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3600-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3611	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3612-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3640	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3641	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3642-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3670-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3673-75	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3676	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3677	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3678	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3679	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3680-82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3700-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3703,04	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3705,06	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C3707	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3708,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3710,11	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	2	
C3712	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3713	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3714	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3715	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3716	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3717	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3718	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C3719,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3721	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3722	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3723	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3724,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3750	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3752-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3770-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3801-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3808-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3812	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3841	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3842	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3843	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3845	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3846	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3847-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3857	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3858,59	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	2	
C3860	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3951-59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
D3010	MA3X71600L	DIODE	1	
D3051,52	MA3J14300L	DIODE	2	
D3670	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
FL3700	VLF1462	FILTER	1	
IC3010	LT1086CM	IC	1	C0CBAYG00001
IC3011	C0CBAAB00021	IC	1	
IC3012	NJM78L09UA	IC	1	C0CBAHC00002
IC3013	C0JBAZ001121	IC	1	
IC3014	C0JBAZ001003	IC	1	
IC3015	NJM79L09UA	IC	1	C0CABBF00001
IC3018	XC62FP3202P	IC	1	
IC3019	C0CBADC00063	IC	1	
IC3020	C0CBBDB00004	IC	1	
IC3050	C0JBAZ001437	IC	1	
IC3051,52	C0ABEB000023	IC	2	
IC3053	TLC2933IPW	IC	1	C0ABFA000012
IC3054	C0JBAF000224	IC	1	
IC3055	BH7086KV	IC	1	C1ZBZ0001649
IC3056	C0JBAB000422	IC	1	
IC3057	C0JBAB000350	IC	1	
IC3058	C0JBAB000422	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3059	C0JBAB000350	IC	1	
IC3060	TLCX257FT	IC	1	
IC3061	C0JBAZ001728	IC	1	
IC3062	C0JBAZ000851	IC	1	
IC3063	TLCX257FT	IC	1	
IC3064-66	C0JBAZ001728	IC	3	
IC3150	C0JBAZ001121	IC	1	
IC3151	C1ZBZ0001836	IC	1	
IC3152	MS51V8221-3G	IC	1	
IC3153	C0JBAF000315	IC	1	
IC3154	C0JBAZ001121	IC	1	
IC3180	L7A1644	IC	1	C1AA00000231
IC3200,01	MN47V07AF	IC	2	
IC3210	MN673797A	IC	1	
IC3211	C0JBAZ001121	IC	1	
IC3240	T220E7202AF1	IC	1	
IC3260	C1ZBZ0001836	IC	1	
IC3261	C0JBAE000238	IC	1	
IC3290-93	MS51V8221-3G	IC	4	
IC3300	MN7F008B4C	IC	1	
IC3301	C3ABQG000041	IC	1	
IC3302	C0JBAB000397	IC	1	
IC3303,04	C0JBAZ000851	IC	2	
IC3350	C1ZBZ0001836	IC	1	
IC3351	DS90LV047A	IC	1	C0ZBZ0000279
IC3352	C0JBAZ001121	IC	1	
IC3380,81	DS90LV048A	IC	2	C0ZBZ0000280
IC3382-85	C0JBAZ000851	IC	4	
IC3450	MN7F008B4C	IC	1	
IC3451,52	C3ABQG000041	IC	2	
IC3500	TLCX257FT	IC	1	
IC3501	MN673797A	IC	1	
IC3502	C0JBAR000368	IC	1	
IC3503,04	C0JBAZ001121	IC	2	
IC3550	L7A1644	IC	1	C1AA00000231
IC3551-54	C0JBAZ001728	IC	4	
IC3600,01	MN47V07AF	IC	2	
IC3610	UPD65943G028	IC	1	
IC3640	T220E7202AF1	IC	1	
IC3670	C0JBAZ001437	IC	1	
IC3674	C0ABEB000023	IC	1	
IC3676	TC7W241FU	IC	1	
IC3704	TC4W53FU	IC	1	
IC3705	LT1228CS8	IC	1	
IC3706	C0FBAD000002	IC	1	
IC3750,51	MS51V8221-3G	IC	2	
IC3752,53	C0JBAF000414	IC	2	
IC3770-74	C0JBAZ001121	IC	5	
IC3801,02	C0JBAZ001121	IC	2	
IC3803	C0JBAZ001137	IC	1	
IC3842	TC7W241FU	IC	1	
IC3951	C0JBAZ001137	IC	1	
IC3952,53	C0JBAA000174	IC	2	
IC3955	TC7W241FU	IC	1	
IC3956	C0JBAZ001003	IC	1	
IC3959	C0JBAB000350	IC	1	
ID0	VVVSI3926	SOFTWARE	1	
ID3841	VVVSI3976A	SOFTWARE	1	
IP3016,17	C1ZBZ0001555	IC	2	
IP3841	C2GBC0000084	MICRO CONTROLLER	1	
L3010,11	VLF1151A132	COIL	2	
L3050-56	VLQ0319K470	COIL 47UH	7	G1C470K00013
L3150,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3260,61	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3300	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3550	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3670-72	VLQ0319K470	COIL 47UH	3	G1C470K00013
L3700-03	VLQ0319K470	COIL 47UH	4	G1C470K00013
L3704,05	VLQ0163J390	COIL 39UH	2	
L3706,07	VLQ0163J150	COIL 15UH	2	
L3708	VLQ0319K470	COIL 47UH	1	G1C470K00013

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3841	VLQ0319K470	COIL 47UH	1	G1C470K00013
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
P3841	K1KA10A00303	CONNECTOR (MALE)	1	
P3951	VJS3791B020	CONNECTOR (FEMALE)	1	
Q3700	2SB0709ALL	TRANSISTOR	1	
Q3701	2SA1532-B	TRANSISTOR	1	
Q3702	2SB0709ALL	TRANSISTOR	1	
R3011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3012	D1H810240001	COMBI.R-R 81	1	
R3013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3016,17	D1H810240001	COMBI.R-R 81	2	
R3018,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3020	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3022	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3024-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3028	D1H810240001	COMBI.R-R 81	1	
R3029,30	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3034	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3035	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R3050	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3052,53	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3054	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3055	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3056,57	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3058	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3060	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3061	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3062,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3064	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3066	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3067	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3068	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3069	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3070,71	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3072	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3073	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3076	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3077	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3078	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3079	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3080	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3081	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3082	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3086,87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3088	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3089	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091-93	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3094-96	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3099-10	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	12	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3113,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3116	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3150	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3151	D1H84734A008	COMBI.R-R 47K	1	
R3152	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3153	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3154	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3155,56	D1H84734A008	COMBI.R-R 47K	2	
R3157	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3158,59	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3160	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3162	D1H84734A008	COMBI.R-R 47K	1	
R3163,64	D1H84704A008	COMBI.R-R 47	2	
R3166	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3180	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3181	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3182,83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3184	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3185	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3186,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3188,89	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3190	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3210	D1H84734A008	COMBI.R-R 47K	1	
R3212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3215,16	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3217,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3219-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R3225,26	D1H810140001	COMBI.R-R 100	2	
R3227,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3229,30	D1H810240001	COMBI.R-R 1K	2	
R3240-44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3245	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3246-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3260	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3261	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3262	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3263	D1H810240001	COMBI.R-R 1K	1	
R3264	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3265	D1H810240001	COMBI.R-R 1K	1	
R3266-68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3290-93	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3300,01	D1H810240001	COMBI.R-R 1K	2	
R3302	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3304	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3307	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3308	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3310,11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3312	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3313-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3323	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3350-55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R3356	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3357-60	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3362-67	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3368	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3370-72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3373	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3374,75	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3385-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R3393,94	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3395-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R3403,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409-12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3452-55	D0GZ103J0001	M.RESISTOR CH 10K	4	
R3456	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3460	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3461-64	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3465-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3468	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3469,70	D1H810240001	COMBI.R-R 1K	2	
R3471-74	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3475-77	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3478-82	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R3483-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3486	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3500	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3501	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3502-05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3507,08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3511,12	D1H810140001	COMBI.R-R 100	2	
R3513	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3516	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3517,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3519,20	D1H84704A008	COMBI.R-R 47	2	
R3521	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3523	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3550	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3551,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3553	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3554	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3556,57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3558,59	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3560	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3561	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3562-65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3566-84	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	19	
R3610	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3611	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3613	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3614	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3641-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3645-47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3648	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3649,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3652,53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3670	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3671	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3672,73	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3674	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3675	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3676	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3677	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3700	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3701,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3705,06	ERJ3RBD681	M.RESISTOR CH 1/16W 680	2	
R3707	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3708	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R3709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3710	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3711	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3712	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3713	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3714	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3715	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3716,17	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3718	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3719	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3720	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R3721	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3722	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R3724	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3728	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3729	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3750,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3752,53	D1H84704A008	COMBI.R-R 47	2	
R3754	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3755	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3770,71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3772	D1H810240001	COMBI.R-R 1K	1	
R3775-78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3779-85	D1H84704A008	COMBI.R-R 47	7	
R3786	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3787-89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3790,91	D1H84734A008	COMBI.R-R 47K	2	
R3792	D1H810240001	COMBI.R-R 1K	1	
R3793	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3796	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3802	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3803,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3805	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3809,10	D1H84734A008	COMBI.R-R 47K	2	
R3815,16	D0GZ220J0001	M.RESISTOR CH 22	2	
R3841	D1H810240001	COMBI.R-R 1K	1	
R3842	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3843	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3844	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3845	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3846	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3847,48	D0GZ220J0001	M.RESISTOR CH 22	2	
R3849	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3850	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3851	D1H810240001	COMBI.R-R 1K	1	
R3852,53	D1H84734A008	COMBI.R-R 47K	2	
R3854	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3856	D0GZ220J0001	M.RESISTOR CH 22	1	
R3857	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3858	D1H833040002	COMBI.R-R 33	1	
R3861,62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3863	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3866	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3868	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3869	D0GZ220J0001	M.RESISTOR CH 22	1	
R3870	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3871	D1H833040002	COMBI.R-R 33	1	
R3873,74	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3875-78	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3879	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3880-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3883	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3884-91	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R3892-95	D0GZ220J0001	M.RESISTOR CH 22	4	
R3951,52	D1H847240002	COMBI.R-R 4.7K	2	
R3953	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3954	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3955	D1H84704A008	COMBI.R-R 47	1	
R3956	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3957	D1H810240001	COMBI.R-R 1K	1	
R3958,59	D1H847240002	COMBI.R-R 4.7K	2	
R3960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3962	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3963,64	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3965	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3966	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3967	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3968,69	D1H84704A008	COMBI.R-R 47	2	
TG3020-25	EYF6CU	TEST POINT	6	
TP3150	EYF6CU	TEST POINT	1	
TP3180	EYF6CU	TEST POINT	1	
TP3211,12	EYF6CU	TEST POINT	2	
TP3266	EYF6CU	TEST POINT	1	
TP3323	EYF6CU	TEST POINT	1	
TP3455-59	EYF6CU	TEST POINT	5	
TP3511,12	EYF6CU	TEST POINT	2	
TP3550	EYF6CU	TEST POINT	1	
TP3700	EYF6CU	TEST POINT	1	
TP3880,81	EYF6CU	TEST POINT	2	
TP3886	EYF6CU	TEST POINT	1	
VR3700	VRV0113B501	V.RESISTOR 500	1	
VR3701	VRV0113B102	V.RESISTOR 1K	1	D3EC41020001
X3050	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
X3300	VSX0919	CRYSTAL OSCILLATOR	1	H0J417500001
X3670	VSX0975	CRYSTAL OSCILLATOR	1	H1C2295B0001
X3671	VSX0973	CRYSTAL OSCILLATOR	1	H1C1385B0001
X3841	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E5	VEP83597C	F5 V OUT P.C.BOARD	1	(RTL)
C3001,02	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C3003,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3011	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3012-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3050	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3051	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3052	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3053-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3065	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3070-73	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3080-84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3090-96	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3100	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3101	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3102-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3150	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3151	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3152,53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3154	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3155-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C3173	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3200	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3201	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3202	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3203,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3208,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3210-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3214,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3216,17	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C3218-20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3221	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3222,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3224	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3225,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3227	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3228,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3230	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3231-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3236,37	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	2	
C3238-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3244	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3245	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3246-49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3250	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3251-53	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	3	
C3300-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3308-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3312,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3314,15	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C3316	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3317	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3321	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3323	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3325	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3326-41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
C3342-44	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	3	
C3345-47	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	3	
C3359,60	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3400-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3404,05	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3406-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3412	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3413-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3419	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3420	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3421	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3422,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3424	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3425	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3426,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3429	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3430,31	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3432	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3433	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3434-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3444	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3445-48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3449-52	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3455,56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3458	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3459-61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3463	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3464	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3466	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3467	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3468	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3469,70	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3500-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3508-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3512,13	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3514	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3515	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3516	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3517-19	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	3	
C3520,21	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3522,23	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C3524-37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	14	
C3538-40	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	3	
C3541-43	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	3	
C3544,45	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3600	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3601,02	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3603	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3604	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3605	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3606,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3608	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3609	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C3610,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3612	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3613	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3614	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3615,16	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C3617	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3618	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3619-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3623	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3624	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3625,26	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C3627-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3630,31	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C3632	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3633	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3700,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3702	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3703,04	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3705-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3708	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3709-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	3	
C3712,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3714,15	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3716-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3719	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3720-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3724	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3725	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3726-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3730,31	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C3732	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3733	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3734,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3736	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3737	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3738-41	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	4	
C3742	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3743,44	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3745-50	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3752,53	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3800	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3801-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3900-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3907	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3908	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D3300-02	MA3068-M	DIODE	3	
D3500-02	MA3068-M	DIODE	3	
D3600	MA142WK	DIODE	1	
D3601	MA3X71600L	DIODE	1	
D3700,01	MA142K	DIODE	2	
D3702,03	MA335-R	DIODE	2	
D3704	MA142K	DIODE	1	
FL3200,01	VLF1476	FILTER	2	J0E3504B0004
FL3202	VLF1354	FILTER	1	
FL3400,01	VLF1354	FILTER	2	
IC3010	C0JBAZ001003	IC	1	
IC3011,12	C0JBAZ001121	IC	2	
IC3013	C0JBAZ001137	IC	1	
IC3015	74LCX240MTCX	IC	1	C0JBAZ001775
IC3016	C0JBAZ001121	IC	1	
IC3017	MS51V8221-3G	IC	1	
IC3018	C0JBAE000238	IC	1	
IC3050	C0CBAAB00021	IC	1	
IC3051	74LCX240MTCX	IC	1	C0JBAZ001775
IC3052	C1ZBZ0001836	IC	1	
IC3070	T160G70-1601	IC	1	
IC3080-83	MS51V8221-3G	IC	4	
IC3084	C0JBAZ001102	IC	1	
IC3090	MB87D132	IC	1	C1ZBZ0001516
IC3091-93	C0JBAZ001121	IC	3	
IC3100	UPD65944G020	IC	1	
IC3150	C0CBAAB00021	IC	1	
IC3151,52	C0JBAZ001121	IC	2	
IC3153	C1ZBZ0002123	IC	1	
IC3154	AK6440AF	IC	1	
IC3200	C0CBADD00003	IC	1	
IC3201	C0ZBZ0000504	IC	1	
IC3202	M62370GP	IC	1	C0FBBD000082
IC3203	C0CBADD00003	IC	1	
IC3204	C0ABEB000023	IC	1	
IC3205	C0CBBDB00004	IC	1	
IC3206,07	C0ZBZ0000569	IC	2	
IC3208	NJM2534V	IC	1	
IC3209	C0CBADD00003	IC	1	
IC3300	C0CBADD00003	IC	1	
IC3301	C0CBBDB00004	IC	1	
IC3302	C0CBADD00003	IC	1	
IC3303	C0CBBDB00004	IC	1	
IC3304,05	C0ABGB000013	IC	2	
IC3306	C0ZBZ0000569	IC	1	
IC3307	C0ABGB000013	IC	1	
IC3308-12	C0ZBZ0000569	IC	5	
IC3400	C0CBADD00003	IC	1	
IC3401	C0CBBDB00004	IC	1	
IC3402,03	C0ABEB000023	IC	2	
IC3404	C0CBADD00003	IC	1	
IC3405	C0CBBDB00004	IC	1	
IC3406	C0ZBZ0000569	IC	1	
IC3407	NJM2534V	IC	1	
IC3408	C0ABGB000013	IC	1	
IC3409	C0ZBZ0000569	IC	1	
IC3410	C0CBADD00003	IC	1	
IC3411	C0CBBDB00004	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3412	C0CBADD00003	IC	1	
IC3413	C0CBBDB00004	IC	1	
IC3414	C0ZBZ0000569	IC	1	
IC3415	C0ABGB000013	IC	1	
IC3416	C0ZBZ0000569	IC	1	
IC3417	C0ABGB000013	IC	1	
IC3500	C0CBADD00003	IC	1	
IC3501	C0CBBDB00004	IC	1	
IC3502	C0CBADD00003	IC	1	
IC3503	C0CBBDB00004	IC	1	
IC3504,05	C0JBAA000175	IC	2	
IC3506-08	NJM2534V	IC	3	
IC3600	AN91A12S	IC	1	
IC3601	NJM78L09UA	IC	1	C0CBAHC00002
IC3602	C0JBAZ001713	IC	1	
IC3603	C0CBBDB00004	IC	1	
IC3604	C0JBAR000111	IC	1	
IC3605	C0CBADD00003	IC	1	
IC3606	NJM360M	IC	1	C0BBZB000001
IC3607	C0JBAC000242	IC	1	
IC3608	SN74LS221NS	IC	1	
IC3609	C0JBAB000541	IC	1	
IC3700	C0CBADD00003	IC	1	
IC3701	C0CBBDB00004	IC	1	
IC3702	C0JBAS000075	IC	1	
IC3703	NJM360M	IC	1	C0BBZB000001
IC3704	C0JBAZ001591	IC	1	
IC3705-07	C0ABEB000023	IC	3	
IC3708	C0JBAR000111	IC	1	
IC3709,10	NJM360M	IC	2	C0BBZB000001
IC3711	C0JBAZ001713	IC	1	
IC3800,01	C0JBAZ001437	IC	2	
IC3802	UPD65650J203	IC	1	C1ZBZ0001380
IC3900-02	C0JBAZ001121	IC	3	
IC3903,04	74LCX240MTCX	IC	2	C0JBAZ001775
IC3905	AN77L03M	IC	1	
ID3880	VVVSI3941	SOFTWARE	1	
IP3010	C1ZBZ0001555	IC	1	
IP3018	C1ZBZ0001555	IC	1	
L3001,02	VLF1151A132	COIL	2	
L3300,01	VLQ0163J560	COIL 56UH	2	
L3302	VLQ0163J120	COIL 12UH	1	G1C120J00001
L3400	VLQ0163J120	COIL 12UH	1	G1C120J00001
L3500	VLQ0163J180	COIL 18UH	1	G1C180J00001
L3600	VLQ0163J101	COIL 100UH	1	
L3601	G1C221J00003	COIL 220UH	1	
L3602	VLQ0163J680	COIL 68UH	1	
L3603	VLQ0163J390	COIL 39UH	1	
L3700	VLQ0163J470	COIL 47UH	1	
L3701	G1C221J00003	COIL 220UH	1	
L3702-05	VLQ0163J470	COIL 47UH	4	
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q3200-02	2SB709A	TRANSISTOR	3	
Q3203-06	2SD601A	TRANSISTOR	4	
Q3207-09	2SB709A	TRANSISTOR	3	
Q3210-14	2SD601A	TRANSISTOR	5	
Q3215	2SA1532-B	TRANSISTOR	1	
Q3216	2SB709A	TRANSISTOR	1	
Q3300-02	2SB709A	TRANSISTOR	3	
Q3303-08	2SD601A	TRANSISTOR	6	
Q3400-02	2SB709A	TRANSISTOR	3	
Q3403,04	2SD601A	TRANSISTOR	2	
Q3405,06	2SB709A	TRANSISTOR	2	
Q3407,08	2SD601A	TRANSISTOR	2	
Q3409	2SB709A	TRANSISTOR	1	
Q3410	2SA1532-B	TRANSISTOR	1	
Q3411,12	2SD601A	TRANSISTOR	2	
Q3413	2SB709A	TRANSISTOR	1	
Q3414	2SA1532-B	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3415,16	2SB709A	TRANSISTOR	2	
Q3417	2SD601A	TRANSISTOR	1	
Q3500-04	2SA1532-B	TRANSISTOR	5	
Q3505-10	2SB709A	TRANSISTOR	6	
Q3511-16	2SD601A	TRANSISTOR	6	
Q3700	2SB709A	TRANSISTOR	1	
Q3701-04	2SK608	TRANSISTOR	4	
QR3200	UNR521300L	TRANSISTOR	1	
R3001	D1H810240001	COMBI.R-R 1K	1	
R3010	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3011,12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3013	D1H810240001	COMBI.R-R 1K	1	
R3014	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3015,16	D1H84734A008	COMBI.R-R 47K	2	
R3017	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3020-22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3025	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3030	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3031	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3033,34	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3036	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3050	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3051	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3055	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3070	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3080	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3081,82	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3085-88	D1H84734A008	COMBI.R-R 47K	4	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3093	D1H810240001	COMBI.R-R 1K	1	
R3106	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3150,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3152	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3153	D1H84734A008	COMBI.R-R 47K	1	
R3200	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3201-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3204-06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3207,08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3209,10	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3213,14	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R3215	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3216,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3218,19	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R3220	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3221	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3222	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3223	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3224,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3226	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3227,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3229,30	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R3231	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3232	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3233	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3234	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3236	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3237	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3238	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3239	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3240-44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R3245	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3246,47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3248	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3249	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3250	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3251,52	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R3253	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3254	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3255	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3256	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3257	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3258	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3259	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3260,61	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R3262	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3263	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3264,65	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3266	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3267	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3268	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3300,01	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R3304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3305	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3306-08	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	3	
R3309-11	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3312-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3318-20	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R3321	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3322	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3323	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3324,25	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3326,27	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3328,29	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R3330,31	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3332-35	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	4	D0GD121JA003
R3336	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3337	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3338	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3339	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3340	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3341	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3342	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3343,44	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R3400,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3402	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3403	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3404	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3405	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3406	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3407,08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3410	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3411	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3412	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3413	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3414	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3415	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3416,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3418	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3419	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3420	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3421	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3422	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3423,24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3425	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3426,27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3428	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3429	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3430	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3431	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3432	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3433	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3434	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3435	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3436	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3437	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3438	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3439	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3441	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R3442	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R3443	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3444	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3446	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3447	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3448	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3449	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3450	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3451	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3452	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3453,54	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3456	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3457,58	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R3461-63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3464	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3466	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3467	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3468	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3469	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3471	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3500	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3502	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3503-05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R3506,07	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3508,09	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R3510	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3511	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3512	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3513	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3514,15	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R3516	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3518,19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3520,21	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R3522	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3523-25	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3526	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3527,28	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3529-31	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3532-34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3535-37	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3538-43	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	6	D0GD121JA003
R3544	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3545	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3546	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3547	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3548	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3549	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3550-54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	5	
R3600	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3601	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3602	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3603	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3604	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3605,06	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3607	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3609	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3610	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R3611	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3612	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3613	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3614,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3700	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3701	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3702	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3703	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3704	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3705	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3706	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3707	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3708	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3709	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3711,12	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R3713	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3714,15	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3716	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3717,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3719	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3720	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3721	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3722	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3723	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3724	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3725	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3726	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3727	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3728	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3729	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3730-33	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R3734,35	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3736	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3737,38	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3739	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3740,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3743	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3744	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3745	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3746	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3747	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3753,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3800-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3805	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3806	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3900-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3903-07	D1H833040002	COMBI.R-R 33	5	
R3908	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3909-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3912-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3917-24	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
TG3601	EYF6CU	TEST POINT	1	
TG3702	EYF6CU	TEST POINT	1	
TG3800	EYF6CU	TEST POINT	1	
TP3153	EYF6CU	TEST POINT	1	
TP3600	EYF6CU	TEST POINT	1	
TP3700,01	EYF6CU	TEST POINT	2	
TP3802-04	EYF6CU	TEST POINT	3	
TP3806	EYF6CU	TEST POINT	1	
VC3700,01	ECV1ZW20X53T	TRIMMER	2	
VR3600,01	EVMEGSA00B14	V.RESISTOR 10K	2	
VR3700,01	EVMEGSA00B14	V.RESISTOR 10K	2	
X3700	H0D177500007	CRYSTAL OSCILLATOR	1	
X3701	H0D143500030	CRYSTAL OSCILLATOR	1	
X3702	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E6	VEP86326C	F6 SYSCON P.C.BOARD	1	(RTL)
C100-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C108,09	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C110,11	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C112-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C116,17	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C118	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C119	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C120,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C122	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C123-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C126	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C127-30	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	4	
C200,01	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C202,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C204	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C205	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C206	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C207-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C218	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C219-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C224-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C229	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C300	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C301-04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C305-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C308-10	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C400-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C405-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C502-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C600	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C601-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C609,10	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C611-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C614	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C700	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C701	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C702-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C706	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C707	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C708	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C709	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C710	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C711-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C722	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C723	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C724	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C725,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C727-30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C800-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C803	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C804	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C805	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C900,01	VCK0152	C.CAPACITOR	2	F1L1C1060016
C903-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C907,08	VCK0152	C.CAPACITOR	2	F1L1C1060016
C909	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C910	VCK0152	C.CAPACITOR	1	F1L1C1060016
C911,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C913	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C914	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C915	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C916	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C917	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C918	VCK0152	C.CAPACITOR	1	F1L1C1060016
C919-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C923,24	EEVHP1A330	E.CAPACITOR 10V 33U	2	
C925,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C927	VCK0152	C.CAPACITOR	1	F1L1C1060016
C1000-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	25	
C1100-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C1106-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C1200-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C1300-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D100	MA3X71600L	DIODE	1	
D204-08	MA3X71600L	DIODE	5	
D500-06	MA3X71600L	DIODE	7	
D702	MA147	DIODE	1	
D900,01	MA147	DIODE	2	
D903,04	MA147	DIODE	2	
D1000	MA147	DIODE	1	
D1001-11	MA3X71600L	DIODE	11	
IC100	NJM78L09UA	IC	1	C0CBAHC00002
IC101	NJM79L09UA	IC	1	C0CABBF00001
IC102	C0CBADD00003	IC	1	
IC103	C0CBBDB00004	IC	1	
IC104	C0CBAAB00021	IC	1	
IC105	XC62FP3202P	IC	1	
IC106	C0CBAAB00021	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC201	C0JBAA000174	IC	1	
IC202	C0JBAB000350	IC	1	
IC203	C0JBAA000174	IC	1	
IC300	ADM202JRN	IC	1	C0ZBZ0000171
IC301	C0JBAZ001137	IC	1	
IC304	C3ZBD0000004	IC	1	
IC400,01	C0JBAZ001647	IC	2	
IC402,03	SN75C1168NS	IC	2	
IC405	C0JBAZ001121	IC	1	
IC406	UPD6456T611Y	IC	1	C1AB00000555
IC407	C0JBAZ001121	IC	1	
IC500	C0JBAZ001120	IC	1	
IC502	C0JBAZ000994	IC	1	
IC503	SN74LV04APW	IC	1	C0JBAB000247
IC504	C0JBAB000354	IC	1	
IC505	C0JBAB000350	IC	1	
IC506	C0JBAZ001121	IC	1	
IC600	C1ZBZ0001836	IC	1	
IC700	SN74LV04APW	IC	1	C0JBAB000247
IC701	TL7705CPSB	IC	1	C0EBS0000002
IC702	C0JBAA000174	IC	1	
IC703	S80727ANDQ	IC	1	
IC704	C0JBAA000174	IC	1	
IC705	C0JBAZ001120	IC	1	
IC706	C0JBAA000261	IC	1	
IC707	C0JBAZ001591	IC	1	
IC800	C1AB00000936	IC	1	
IC900	TC4W53FU	IC	1	
IC901	C0ABBB000032	IC	1	
IC902	C0ABBB000196	IC	1	
IC903	C0ABBB000032	IC	1	
IC904	C0BBBA000044	IC	1	
IC905	C0ABBB000196	IC	1	
IC906	C0ABBB000032	IC	1	
IC907	TC4W53FU	IC	1	
IC1000-02	C0ABFB000012	IC	3	
IC1100-03	C0JBAZ001121	IC	4	
IC1104	C0JBAZ001137	IC	1	
IC1105	C0JBAZ001121	IC	1	
IC1106	C0JBAA000174	IC	1	
IC1107	C0JBAZ001121	IC	1	
IC1200-03	C0JBAZ001121	IC	4	
IC1204	C0JBAZ000994	IC	1	
IC1205	SN74LV04APW	IC	1	C0JBAB000247
IC1206	C0JBAZ001647	IC	1	
IC1300	C0JBAZ001003	IC	1	
ID200	VVVSI3943B	SOFTWARE	1	
ID700	VVVSI3942	SOFTWARE	1	
ID1300	VVVSI3931	SOFTWARE	1	
IP200	C2DBLK000001	IC	1	
IP700	C2DBLK000001	IC	1	
IP1300	C1ZBZ0001555	IC	1	
L100,01	VLF1151A132	COIL	2	
L200-02	VLQ0163J470	COIL 47UH	3	
L600	VLQ0163J470	COIL 47UH	1	
L700-02	VLQ0163J470	COIL 47UH	3	
L6001,02	VLQ0163J470	COIL 47UH	2	
P1,P2	K1KA96B00032	CONNECTOR (MALE)	2	
P200	VJS3791B020	CONNECTOR (FEMALE)	1	
P201	K1KA10A00303	CONNECTOR (MALE)	1	
P700	VJS3791B020	CONNECTOR (FEMALE)	1	
P701	K1KA10A00303	CONNECTOR (MALE)	1	
QR1100	UNR521300L	TRANSISTOR	1	
R100	D1H810240001	COMBI.R-R 1K	1	
R200	D1H84734A008	COMBI.R-R 47K	1	
R201	D1H84704A008	COMBI.R-R 47	1	
R203	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R204	D1H810240001	COMBI.R-R 1K	1	
R205	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R206,07	D1H84704A008	COMBI.R-R 47	2	
R209	D1H84704A008	COMBI.R-R 47	1	
R210	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R211	D0GZ103J0001	M.RESISTOR CH 10K	1	
R212	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R213	D0GZ103J0001	M.RESISTOR CH 10K	1	
R214	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R215	D1H84734A008	COMBI.R-R 47K	1	
R216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R217	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R218	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R219	D1H833040002	COMBI.R-R 33	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R223	D0GZ103J0001	M.RESISTOR CH 10K	1	
R224	D1H833040002	COMBI.R-R 33	1	
R228	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R229	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R230-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R233-36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R246-48	D0GZ103J0001	M.RESISTOR CH 10K	3	
R249-51	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R253-61	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R264-68	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R275	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R276,77	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R278	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R280	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R281	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R282	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R283	D1H810240001	COMBI.R-R 1K	1	
R284	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R301,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R307	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R308	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R309	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R313,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R316	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R318,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R404,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R407	D1H84734A008	COMBI.R-R 47K	1	
R408-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R412	D1H84734A008	COMBI.R-R 47K	1	
R413,14	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R417,18	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R422	D1H84734A008	COMBI.R-R 47K	1	
R423	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R424	D1H84704A008	COMBI.R-R 47	1	
R425	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R427	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R434	D1H84734A008	COMBI.R-R 47K	1	
R437,38	D1H810240001	COMBI.R-R 1K	2	
R500	D1H84734A008	COMBI.R-R 47K	1	
R502	D1H84704A008	COMBI.R-R 47K	1	
R504	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R506	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R508	D1H84734A008	COMBI.R-R 47K	1	
R509-12	D1H84704A008	COMBI.R-R 47	4	
R518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R520,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R542	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R543	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R601,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R604,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R607-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R610	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R611	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R700	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R703,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R705	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R709	D0GZ103J0001	M.RESISTOR CH 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R715,16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R717	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R718	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R719	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R720	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R721	D1H833040002	COMBI.R-R 33	1	
R724,25	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R726	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R728	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R729,30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R731	D1H810240001	COMBI.R-R 1K	1	
R733	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R734-37	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R738	D1H84734A008	COMBI.R-R 47K	1	
R740-42	D1H84704A008	COMBI.R-R 47	3	
R744	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R745	D0GZ103J0001	M.RESISTOR CH 10K	1	
R746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R747	D0GZ103J0001	M.RESISTOR CH 10K	1	
R748	D1H833040002	COMBI.R-R 33	1	
R749	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R755-57	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R758	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R764-66	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R767	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R768	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R769,70	D0GZ103J0001	M.RESISTOR CH 10K	2	
R800	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R803	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R804	D1H84734A008	COMBI.R-R 47K	1	
R805	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R806-08	D1H84734A008	COMBI.R-R 47K	3	
R809-11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R812	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R813	D1H8R0040001	COMBI.R-R 0	1	
R815	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R900	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R901	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R903,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R906	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R907	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R910,11	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R912	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R913,14	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R917,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R919	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R920	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R921,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R923-25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R926	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R927,28	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R929	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R930	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R931	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R932	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R933	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R934	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R935	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R936,37	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R938	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R940,41	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R942,43	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R944	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R945	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R946	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R947,48	ERJ3RED390	M.RESISTOR CH 1/16W 39	2	
R949	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R950	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R951	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R954	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R956	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R957	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1000	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1001	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1002-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R1006-10	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R1013	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1016	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	1	
R1017	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1018	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1019	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1021	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1024	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1027	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	1	
R1028	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1029	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1032	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1035	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1036	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1039	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1042	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1044	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1047	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1050	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1051	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1052	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1053	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1056	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1059	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1060	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1061-66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R1067-70	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	4	
R1071	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1102,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1104,05	D1H84734A008	COMBI.R-R 47K	2	
R1106-08	D1H84704A008	COMBI.R-R 47	3	
R1110,11	D0GZ220J0001	M.RESISTOR CH 22	2	
R1112,13	D1H84704A008	COMBI.R-R 47	2	
R1114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1115-18	D1H84734A008	COMBI.R-R 47K	4	
R1119-21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R1123,24	D1H84704A008	COMBI.R-R 47	2	
R1126	D1H84734A008	COMBI.R-R 47K	1	
R1128,29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1200,01	D1H84734A008	COMBI.R-R 47K	2	
R1202,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1204	D1H84734A008	COMBI.R-R 47K	1	
R1205	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1206-08	D1H84704A008	COMBI.R-R 47	3	
R1209-12	D1H84734A008	COMBI.R-R 47K	4	
R1213	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1214	D1H84734A008	COMBI.R-R 47K	1	
R1215	D1H8R0040001	COMBI.R-R 0	1	
R1217,18	D1H8R0040001	COMBI.R-R 0	2	
R1300	D1H810240001	COMBI.R-R 1K	1	
R1301	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1302	D0GZ103J0001	M.RESISTOR CH 10K	1	
R1303	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW200	VSS0367-08B	SWITCH	1	
X200	H0J921400004	CRYSTAL OSCILLATOR	1	
X700	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E7	VEP82246C	F7 SERVO P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6,C7	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8,C9	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C10,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C12	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C13,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C15,16	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C17	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C18	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C19	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C20,21	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C22-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C27	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C32,33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C60	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C61-64	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C70-73	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C74-77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C150,51	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	2	
C152,53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C154	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C155	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C156,57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C158	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C160	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C163	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C165,66	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C167-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C172	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C173	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C174	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C202,03	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C204-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C208,09	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C210-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C215	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C216	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C217,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C219,20	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C221-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C230,31	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C301-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C310,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C312	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C351,52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C353	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C354,55	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	2	
C356-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C361,62	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C401,02	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C403,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C405,06	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C407,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C409,10	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C411	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C412-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C415	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C417	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C418-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C425	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C426,27	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C428	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C429,30	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C431	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C432-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C452	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C453	EEUFC1V101	E.CAPACITOR 35V 100U	1	
C454,55	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C456,57	EEUFC1V101	E.CAPACITOR 35V 100U	2	
C458-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C461	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501	EEUFC1V101	E.CAPACITOR 35V 100U	1	
C502,03	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C504	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C505,06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C507,08	EEUFC1V101	E.CAPACITOR 35V 100U	2	
C509-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C512	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C513	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C514	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C515	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C516	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C517-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C550,51	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C552-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C555	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C556	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C557	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C558,59	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C560	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C561	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C562	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C563	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C564	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C565	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C566	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C567	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C568	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C569	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C570	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C571	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C572	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C573	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C574	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C575	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C576,77	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C578,79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C580,81	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C582	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C583	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C584	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C585	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C586,87	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C588,89	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C590,91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C592,93	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C594,95	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C596,97	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	2	
C598,99	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C600,01	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C602,03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C604,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C606-09	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C610-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C614,15	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C616,17	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C618-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C651-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C657,58	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C659	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C660	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C661	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C662	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C663-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C667	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C668	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C669-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C672	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C673	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C674,75	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C676-78	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C679,80	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C681	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C699,00	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
D1-D4	MA8075-H	DIODE	4	
D5,D6	MA142K	DIODE	2	
D7-D9	MA147	DIODE	3	
D201-03	MA147	DIODE	3	
D353,54	MA147	DIODE	2	
D355,56	MA142K	DIODE	2	
D401,02	MA142K	DIODE	2	
D403-06	MA704A	DIODE	4	
D407	MA147	DIODE	1	
D450,51	MA2J72800L	DIODE	2	
D452,53	MA2Q73600L	DIODE	2	
D500,01	MA2J72800L	DIODE	2	
D502,03	MA2Q73600L	DIODE	2	
D504	MA142K	DIODE	1	
D550,51	MA142K	DIODE	2	
D552-63	MA2Q73800L	DIODE	12	
D564,65	MA147	DIODE	2	
D605,06	MA2Q73800L	DIODE	2	
D609-12	MA2Q73800L	DIODE	4	
D651	MA142K	DIODE	1	
D652-55	MA142WK	DIODE	4	
D656	MA147	DIODE	1	
D657	MA142WK	DIODE	1	
D658	MA142WA	DIODE	1	
D659	MA8051-M	DIODE	1	
D660	MA8082-H	DIODE	1	
D661	MA142WK	DIODE	1	
D662	MA142K	DIODE	1	
D663	MAZ80330HL	DIODE	1	
D664	MA8039-H	DIODE	1	
D665	MA8075-H	DIODE	1	
D666	MA2Q73800L	DIODE	1	
D667	MA142K	DIODE	1	
D668-70	MA2Q73800L	DIODE	3	
D671,72	MA142WK	DIODE	2	
IC1	C0JBAZ000994	IC	1	
IC2	C0ABBB000179	IC	1	
IC3	TC4052BF	IC	1	
IC5	C0ABBB000179	IC	1	
IC7	C0ABBB000179	IC	1	
IC8	TC4052BF	IC	1	
IC10	C0ABBB000179	IC	1	
IC61,62	C0ABBB000184	IC	2	
IC63,64	C0BBBA000044	IC	2	
IC103	C0JBAZ000994	IC	1	
IC151	C0ABBB000179	IC	1	
IC152	C0ABBB000184	IC	1	
IC153	C0BBBA000044	IC	1	
IC154	C0JBAZ000994	IC	1	
IC155	C0ABBB000179	IC	1	
IC156	C0BBBA000044	IC	1	
IC157	C0ABBB000184	IC	1	
IC158	C0ABBA000075	IC	1	
IC204	C0JBAB000397	IC	1	
IC206-08	C0JBAZ001121	IC	3	
IC301	C0JBAZ001121	IC	1	
IC302	C0JBAZ001003	IC	1	
IC354	M62370GP	IC	1	C0FBBD000082
IC355,56	C0ABBB000179	IC	2	
IC357	C0ABBA000075	IC	1	
IC401	C0ABBA000075	IC	1	
IC402,03	NJM78L09UA	IC	2	C0CBAHC00002
IC404	C0CBABD00005	IC	1	
IC405	C0CBADD00003	IC	1	
IC406,07	NJM79L09UA	IC	2	C0CABBF00001
IC408	C0CBBDB00004	IC	1	
IC501	C0BBBA000044	IC	1	
IC502	C0ABBB000184	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC503	TL1451CNS	IC	1	C0DBAMA00001
IC551	C0BBBA000044	IC	1	
IC552	C0ABBB000179	IC	1	
IC553,54	AN3834S	IC	2	
IC555	C0ABBB000179	IC	1	
IC600,01	AN3890FBS	IC	2	
IC650	C0JBAZ001120	IC	1	
IC651	C0JBAM000111	IC	1	
IC652	C0ABBA000075	IC	1	
IC653	C0JBAM000052	IC	1	
IC654	C0JBAZ001120	IC	1	
IC655,56	BA6238A	IC	2	C0GAK0000007
IC658	C0BBBA000044	IC	1	
IC659	C0JBAF000487	IC	1	
IC660-62	C0JBAM000111	IC	3	
ID201	VVVSI3944	SOFTWARE	1	
ID300	VVVSI3888	SOFTWARE	1	
IP201	MN1030F04K	IC	1	
IP300	EPM3256A1410	IC	1	
L401,02	VLF1151A132	COIL	2	
L451,52	VLQ0504331K	COIL 330UH	2	G0A331F00001
L453	VLQ0407120M	COIL 12UH	1	G0A120HA0007
L500,01	VLQ0504331K	COIL 330UH	2	G0A331F00001
P202	VJS3791B020	CONNECTOR (FEMALE)	1	
P300	K1KA08B00147	CONNECTOR (FEMALE)	1	
P700,01	K1KA96B00032	CONNECTOR (MALE)	2	
Q1	2SD601A	TRANSISTOR	1	
Q2,Q3	2SB709A	TRANSISTOR	2	
Q4	2SD601A	TRANSISTOR	1	
Q5	2SB709A	TRANSISTOR	1	
Q6	2SD601A	TRANSISTOR	1	
Q401,02	2SD601A	TRANSISTOR	2	
Q450,51	2SB1073	TRANSISTOR	2	
Q500,01	2SB1174-Q	TRANSISTOR	2	2SB11740Q
Q551-56	2SD1624-S	TRANSISTOR	6	
Q600	PU3210	TRANSISTOR	1	PUA3210
Q601	PU3110	TRANSISTOR	1	PUA3110
Q604	PU3210	TRANSISTOR	1	PUA3210
Q605	PU3110	TRANSISTOR	1	PUA3110
Q650	2SD601A	TRANSISTOR	1	
Q651	2SB710A	TRANSISTOR	1	
Q652	2SB936A-Q	TRANSISTOR	1	
Q653,54	2SB766	TRANSISTOR	2	
Q655,56	2SB1073-R	TRANSISTOR	2	
QR1-R5	UNR521300L	TRANSISTOR	5	
QR6	UNR511300L	TRANSISTOR	1	
QR7	UN5215	TRANSISTOR-RESISTOR	1	
QR8	UNR511500L	TRANSISTOR	1	
QR500,01	UNR511100L	TRANSISTOR	2	
QR550-53	UN5215	TRANSISTOR-RESISTOR	4	
QR600	UNR521300L	TRANSISTOR	1	
QR601	UN5217	TRANSISTOR-RESISTOR	1	
QR602	UNR521400L	TRANSISTOR-RESISTOR	1	
QR651	UNR521300L	TRANSISTOR	1	
QR654	UNR521300L	TRANSISTOR	1	
QR655,56	UNR521400L	TRANSISTOR-RESISTOR	2	
QR657	UNR521300L	TRANSISTOR	1	
QR658	UNR511300L	TRANSISTOR	1	
QR659-63	UNR521400L	TRANSISTOR-RESISTOR	5	
QR664	UNR511300L	TRANSISTOR	1	
QR665-68	UNR521400L	TRANSISTOR-RESISTOR	4	
QR669	UNR511300L	TRANSISTOR	1	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R8	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R9	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R10	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R12	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R13	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R14	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R15	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R16	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R19	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R20	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R21	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R22	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R23	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R24,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R26	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R27	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R28	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R29,30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R31	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R32	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R33	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R34-36	ERJ3RBD471	M.RESISTOR CH 1/16W 470	3	
R37	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R38,39	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	2	
R40,41	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R43	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R44,45	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R46	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R47	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R48	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R49	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R59	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R60	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R61	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R62	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R63	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R64	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R65	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R66	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R67	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R68	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R69	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R70	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R71	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R72	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R73	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R74	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R75	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R76-79	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	4	
R80,81	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R82-85	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	4	
R86-89	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R90-93	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	4	
R94-97	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	4	
R98	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R99	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R100,01	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R102,03	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R104	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R105	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R106-09	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	4	
R141	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R142	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R143	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R145	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R146	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R150	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R151	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R152	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R153	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R154,55	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R156	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R157	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R158	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R159	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R160,61	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R162,63	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R164,65	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R168,69	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R170	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R171	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R172	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R173	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R174,75	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R176,77	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R178,79	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R180,81	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R182,83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R184,85	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R186,87	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	2	
R188,89	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R190,91	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R192,93	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R194	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R195,96	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R197	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R198	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R201,02	D1H84704A008	COMBI.R-R 47	2	
R203	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R204	D1H84734A008	COMBI.R-R 47K	1	
R206	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R207	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R209,10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R211	D1H810140001	COMBI.R-R 100	1	
R212	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R213	D1H84734A008	COMBI.R-R 47K	1	
R214,15	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R219	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R221	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R222	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R223	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R224-27	D1H84704A008	COMBI.R-R 47	4	
R228	D1H84734A008	COMBI.R-R 47K	1	
R229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R230	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R233-35	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R236-40	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R241,42	D1H84704A008	COMBI.R-R 47	2	
R243	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R244	D1H84704A008	COMBI.R-R 47	1	
R245	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R246	D1H84704A008	COMBI.R-R 47	1	
R247,48	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R302	D1H810240001	COMBI.R-R 1K	1	
R303	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R305,06	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R307	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309,10	D1H84704A008	COMBI.R-R 47	2	
R311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R319	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R363	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R364,65	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R366,67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R368,69	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R370,71	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	2	
R372	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R373	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R374,75	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R376	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R377	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R378-80	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R381	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R382	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R383	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R384	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R385	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R386	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R401,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R404	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R405,06	ERJ6RBD391	M.RESISTOR CH 1/10W 390	2	
R407	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R408-11	ERJ6RBD391	M.RESISTOR CH 1/10W 390	4	
R412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R450,51	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R452,53	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R454,55	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R458	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
⚠ R459	K5H2523A0001	FUSE	1	
R500,01	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R502,03	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R504,05	ERJ12YJ471	M.RESISTOR CH 1/2W 470	2	
R506	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R507	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R508	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R509	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R511	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R512	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R513	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R516	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R517	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R518	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R519,20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R521	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R522	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R523	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R524,25	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R526,27	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	2	
R528	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R529	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R530	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R531,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R535	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R551-53	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R554	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R555	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R556	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R557	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R558,59	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R560	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R561	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R562,63	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R564	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R565	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R566,67	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R568	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R569	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R570	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R571	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R572,73	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	2	
R574,75	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R576	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R577	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R578	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R579	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R580-83	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R584,85	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R586,87	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R588,89	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R590-95	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R600	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R601,02	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R603	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R605,06	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R607,08	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R609,10	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R611,12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R613-18	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	6	
R619	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R651-53	D1H84734A008	COMBI.R-R 47K	3	
R654	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R655	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R656	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R657-60	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R661	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R662	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R663	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R664	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R666	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R667	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R668	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R669,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R671-75	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R676,77	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R678	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R679,80	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R681-83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R684	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R685	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R686	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R687	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R688	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R689,90	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	2	
R691,92	ERJ8GEYJ181	M.RESISTOR CH 1/8W 180	2	
R693	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R694	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R695	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R696	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R697	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R698	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R702	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R703	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R704,05	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R706	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R709	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R710	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R711,12	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	2	
R713,14	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R716,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
TG1,G2	EYF6CU	TEST POINT	2	
TG4	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP30,31	EYF6CU	TEST POINT	2	
TP80-83	EYF6CU	TEST POINT	4	
TP120-23	EYF6CU	TEST POINT	4	
TP160-63	EYF6CU	TEST POINT	4	
TP201	EYF6CU	TEST POINT	1	
TP230-35	EYF6CU	TEST POINT	6	
TP280-82	EYF6CU	TEST POINT	3	
TP300,01	EYF6CU	TEST POINT	2	
TP320	EYF6CU	TEST POINT	1	
TP651,52	EYF6CU	TEST POINT	2	
X201	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E8	VEP85207A	F8 RF EQ P.C.BOARD	1	(RTL)
C5002-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C5101,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5104,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5106	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5108,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5110	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5111-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5201-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C5301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5302,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5304,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5306	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5309,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C5311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5312-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5316,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5318	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5319	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5320,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5328	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5331	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5332	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C5333	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C5334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5336	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5338	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C5340	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C5342	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5344	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C5346	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5348	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C5351	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C5354	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5356,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5358,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5360,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5363	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5364	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C5365	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5366	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C5367,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5370,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5372	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5502,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5504,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5506	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5508	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5509,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C5511	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5512-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5519	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5520,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5523,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5528	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5529	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5531	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5532	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C5533	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C5534,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5536	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5538	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C5540	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5542	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5544	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C5546	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5548	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5550	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C5551	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C5554	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5556,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5558,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5560,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5562	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5563	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5564	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C5565	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5566	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C5567,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5570,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5572	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5701-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5710-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5713	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5714	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C5715-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5718	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C5719	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5720	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5721,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C5723-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C5801-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5810-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5813	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5814	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C5815-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5818	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C5819	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5820	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5821,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C5823-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C5901	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5902	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C5904	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C5905	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5906	ECUX1E681JCV	C.CAPACITOR CH 25V 680P	1	
C5907	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5908,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5910	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C5912	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C5914	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C5915	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5916,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5918-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C5921-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5924	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5926,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5928	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C5930,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5932	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5933	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5934	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C5935	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5937,38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5939	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5940	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5941	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C5942	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5944,45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5946	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5947	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5948	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5949	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5951,52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5953	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5954	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5955	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5956	EEVHB1C470P	E.CAPACITOR 16V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5957	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6302,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C6304,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6306	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6309,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C6311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6312-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6316,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6318	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6319	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6320,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6328	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6331	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6332	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C6333	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C6334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6336	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6338	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C6340	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6342	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C6344	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C6346	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6348	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6351	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C6354	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6356,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6358,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6360,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6363	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6364	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C6365	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6366	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C6367,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6370,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6372	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C6501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6502,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C6504,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6506	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6508	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6509,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C6511	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6512-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6519	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6520,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6523,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6528	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6529	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6531	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6532	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C6533	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C6534,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6536	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6538	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C6540	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6542	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C6544	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C6546	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6548	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6550	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6551	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C6554	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6556,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6558,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6560,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6562	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6563	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6564	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C6565	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6566	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C6567,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6570,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6572	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C6701-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6710-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6713	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6714	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C6715-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6718	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C6719	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C6720	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6721,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C6723-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C6801-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6810-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6813	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6814	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C6815-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6818	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C6819	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C6820	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6821,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C6823-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
D5901	MA2P701A0L	DIODE	1	
IC5001	C0JBAZ001003	IC	1	
IC5002	SN74LV04APW	IC	1	C0JBAB000247
IC5003	C0JBAA000174	IC	1	
IC5004	C0JBAZ001003	IC	1	
IC5006	TC4W53FU	IC	1	
IC5007	C0HBZ0000036	IC	1	
IC5101	DS90LV048A	IC	1	C0ZBZ0000280
IC5102,03	TLCX240FT	IC	2	
IC5104	DS90LV047A	IC	1	C0ZBZ0000279
IC5105	TLCX240FT	IC	1	
IC5106	DS90LV047A	IC	1	C0ZBZ0000279
IC5107	74LCX74MTCX	IC	1	C0JBAF000406
IC5108	DS90LV047A	IC	1	C0ZBZ0000279
IC5109	74LCX574MTCX	IC	1	C0JBAF000448
IC5110	C0ABEB000023	IC	1	
IC5111	C0JBAZ001867	IC	1	
IC5201	M62370GP	IC	1	C0FBBD000082
IC5202-05	C0JBAS000075	IC	4	
IC5206-08	C0ABFB000012	IC	3	
IC5209	C0JBAZ001003	IC	1	
IC5301	MC1495D	IC	1	
IC5302	UPC1663G	IC	1	C1CB00000329
IC5304	UPC1663G	IC	1	C1CB00000329
IC5305	TC4W53FU	IC	1	
IC5306	UPC1663G	IC	1	C1CB00000329
IC5501	MC1495D	IC	1	
IC5502	UPC1663G	IC	1	C1CB00000329
IC5504	UPC1663G	IC	1	C1CB00000329
IC5505	TC4W53FU	IC	1	
IC5506	UPC1663G	IC	1	C1CB00000329
IC5701	C0ABBB000158	IC	1	
IC5702	MN673798	IC	1	
IC5703	C0JBAZ001867	IC	1	
IC5704	C0ABEB000023	IC	1	
IC5801	C0ABBB000158	IC	1	
IC5802	MN673798	IC	1	
IC5803	C0JBAZ001867	IC	1	
IC5804	C0ABEB000023	IC	1	
IC5901	TC4W53FU	IC	1	
IC5902	NJM1496V	IC	1	
IC5903	C0ABEB000023	IC	1	
IC5904	LM2940S-5.0	IC	1	C0CBADG00007
IC5905	LM2990S-5.0	IC	1	
IC5906,07	LT1086CM	IC	2	C0CBAYG00001
IC6301	MC1495D	IC	1	
IC6302	UPC1663G	IC	1	C1CB00000329

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6304	UPC1663G	IC	1	C1CB00000329
IC6305	TC4W53FU	IC	1	
IC6306	UPC1663G	IC	1	C1CB00000329
IC6501	MC1495D	IC	1	
IC6502	UPC1663G	IC	1	C1CB00000329
IC6504	UPC1663G	IC	1	C1CB00000329
IC6505	TC4W53FU	IC	1	
IC6506	UPC1663G	IC	1	C1CB00000329
IC6701	C0ABBB000158	IC	1	
IC6702	MN673798	IC	1	
IC6703	C0JBAZ001867	IC	1	
IC6704	C0ABEB000023	IC	1	
IC6801	C0ABBB000158	IC	1	
IC6802	MN673798	IC	1	
IC6803	C0JBAZ001867	IC	1	
IC6804	C0ABEB000023	IC	1	
L5301	VLQ0163MR27	COIL 0.27UH	1	
L5302	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L5303,04	VLQ0163J101	COIL 100UH	2	
L5305	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L5308	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L5309	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5501	VLQ0163MR27	COIL 0.27UH	1	
L5502	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L5503,04	VLQ0163J101	COIL 100UH	2	
L5505	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L5508	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L5509	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5901	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5902	VLQ0163JR82	COIL 0.82UH	1	G1CR82J00002
L5903	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5904	VLQ0163JR82	COIL 0.82UH	1	G1CR82J00002
L5905-08	VLF1151A132	COIL	4	
L6301	VLQ0163MR27	COIL 0.27UH	1	
L6302	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L6303,04	VLQ0163J101	COIL 100UH	2	
L6305	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L6308	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L6309	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L6501	VLQ0163MR27	COIL 0.27UH	1	
L6502	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L6503,04	VLQ0163J101	COIL 100UH	2	
L6505	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L6508	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L6509	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
P5901	K1KA96B00032	CONNECTOR (MALE)	1	
Q5101	2SC3930	TRANSISTOR	1	
Q5301	2SC3930	TRANSISTOR	1	
Q5302	2SD1979	TRANSISTOR	1	
Q5303	XN6537	TRANSISTOR-RESISTOR	1	
Q5304	2SD1979	TRANSISTOR	1	
Q5305	2SC3930	TRANSISTOR	1	
Q5306	XP6534	TRANSISTOR-RESISTOR	1	
Q5307,08	2SD1979	TRANSISTOR	2	
Q5309	XP6534	TRANSISTOR-RESISTOR	1	
Q5310,11	2SK508K512	TRANSISTOR	2	
Q5312	2SC3930	TRANSISTOR	1	
Q5313	XP6534	TRANSISTOR-RESISTOR	1	
Q5314	2SD1979	TRANSISTOR	1	
Q5316	2SD1979	TRANSISTOR	1	
Q5318	2SC3930	TRANSISTOR	1	
Q5319	XP6534	TRANSISTOR-RESISTOR	1	
Q5320,21	2SC3930	TRANSISTOR	2	
Q5322	2SD1979	TRANSISTOR	1	
Q5323	2SC3930	TRANSISTOR	1	
Q5501	2SC3930	TRANSISTOR	1	
Q5502	2SD1979	TRANSISTOR	1	
Q5503	XN6537	TRANSISTOR-RESISTOR	1	
Q5504	2SD1979	TRANSISTOR	1	
Q5505	2SC3930	TRANSISTOR	1	
Q5506	XP6534	TRANSISTOR-RESISTOR	1	
Q5507,08	2SD1979	TRANSISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q5509	XP6534	TRANSISTOR-RESISTOR	1	
Q5510,11	2SK508K512	TRANSISTOR	2	
Q5512	2SC3930	TRANSISTOR	1	
Q5513	XP6534	TRANSISTOR-RESISTOR	1	
Q5514	2SD1979	TRANSISTOR	1	
Q5516	2SD1979	TRANSISTOR	1	
Q5518	2SC3930	TRANSISTOR	1	
Q5519	XP6534	TRANSISTOR-RESISTOR	1	
Q5520,21	2SC3930	TRANSISTOR	2	
Q5522	2SD1979	TRANSISTOR	1	
Q5523	2SC3930	TRANSISTOR	1	
Q5701	XP0650100L	TRANSISTOR	1	
Q5801	XP0650100L	TRANSISTOR	1	
Q5901	2SC3930	TRANSISTOR	1	
Q5902	XP6534	TRANSISTOR-RESISTOR	1	
Q5903	2SD1979	TRANSISTOR	1	
Q5905	2SD1979	TRANSISTOR	1	
Q5907	2SD1979	TRANSISTOR	1	
Q5909-11	2SC3930	TRANSISTOR	3	
Q6301	2SC3930	TRANSISTOR	1	
Q6302	2SD1979	TRANSISTOR	1	
Q6303	XN6537	TRANSISTOR-RESISTOR	1	
Q6304	2SD1979	TRANSISTOR	1	
Q6305	2SC3930	TRANSISTOR	1	
Q6306	XP6534	TRANSISTOR-RESISTOR	1	
Q6307,08	2SD1979	TRANSISTOR	2	
Q6309	XP6534	TRANSISTOR-RESISTOR	1	
Q6310,11	2SK508K512	TRANSISTOR	2	
Q6312	2SC3930	TRANSISTOR	1	
Q6313	XP6534	TRANSISTOR-RESISTOR	1	
Q6314	2SD1979	TRANSISTOR	1	
Q6316	2SD1979	TRANSISTOR	1	
Q6318	2SC3930	TRANSISTOR	1	
Q6319	XP6534	TRANSISTOR-RESISTOR	1	
Q6320,21	2SC3930	TRANSISTOR	2	
Q6322	2SD1979	TRANSISTOR	1	
Q6323	2SC3930	TRANSISTOR	1	
Q6501	2SC3930	TRANSISTOR	1	
Q6502	2SD1979	TRANSISTOR	1	
Q6503	XN6537	TRANSISTOR-RESISTOR	1	
Q6504	2SD1979	TRANSISTOR	1	
Q6505	2SC3930	TRANSISTOR	1	
Q6506	XP6534	TRANSISTOR-RESISTOR	1	
Q6507,08	2SD1979	TRANSISTOR	2	
Q6509	XP6534	TRANSISTOR-RESISTOR	1	
Q6510,11	2SK508K512	TRANSISTOR	2	
Q6512	2SC3930	TRANSISTOR	1	
Q6513	XP6534	TRANSISTOR-RESISTOR	1	
Q6514	2SD1979	TRANSISTOR	1	
Q6516	2SD1979	TRANSISTOR	1	
Q6518	2SC3930	TRANSISTOR	1	
Q6519	XP6534	TRANSISTOR-RESISTOR	1	
Q6520,21	2SC3930	TRANSISTOR	2	
Q6522	2SD1979	TRANSISTOR	1	
Q6523	2SC3930	TRANSISTOR	1	
Q6701	XP0650100L	TRANSISTOR	1	
Q6801	XP0650100L	TRANSISTOR	1	
R5001	D1H84734A008	COMBI.R-R 47K	1	
R5002,03	D1H810140001	COMBI.R-R 100	2	
R5004	D1H84734A008	COMBI.R-R 47K	1	
R5009,10	D1H810140001	COMBI.R-R 100	2	
R5011-13	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5014,15	D1H84734A008	COMBI.R-R 47K	2	
R5017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5019,20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R5022	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5023	D1H84734A008	COMBI.R-R 47K	1	
R5024	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5025	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5026	D0GZ220J0001	M.RESISTOR CH 22	1	
R5027	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5028	D1H84734A008	COMBI.R-R 47K	1	
R5029	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5030	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5031	D0GZ220J0001	M.RESISTOR CH 22	1	
R5032	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5101-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5104	D0GZ220J0001	M.RESISTOR CH 22	1	
R5105	D1H810240001	COMBI.R-R 1K	1	
R5106,07	D0GZ220J0001	M.RESISTOR CH 22	2	
R5108,09	D1H810240001	COMBI.R-R 1K	2	
R5110	D0GZ220J0001	M.RESISTOR CH 22	1	
R5111	D1H810240001	COMBI.R-R 1K	1	
R5112,13	D0GZ220J0001	M.RESISTOR CH 22	2	
R5114-16	D1H810240001	COMBI.R-R 1K	3	
R5117	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5121,22	D1H810240001	COMBI.R-R 1K	2	
R5123	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5124	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5125	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R5126	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R5127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5128	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5129	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R5130	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5131	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5132	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5133	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5134	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5135	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5136,37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5138	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5139	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5142	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5201	D1H84734A008	COMBI.R-R 47K	1	
R5202	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5203	D0GZ220J0001	M.RESISTOR CH 22	1	
R5204	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5205	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5206,07	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R5208	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5210,11	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R5212	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5213	D1H810140001	COMBI.R-R 100	1	
R5214	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5215	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5216,17	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R5218	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5219	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5220,21	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R5222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5223,24	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5225	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5226	D1H810140001	COMBI.R-R 100	1	
R5227,28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5229	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5230	D1H810140001	COMBI.R-R 100	1	
R5231,32	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5233	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5234	D1H810140001	COMBI.R-R 100	1	
R5235,36	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5237	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5238	D1H810140001	COMBI.R-R 100	1	
R5239-42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5301	D1H84704A008	COMBI.R-R 47	1	
R5302	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5303	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5304	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5305	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5306	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5307	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5308	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5309	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5310	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5312,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5314	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5315	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5316	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R5317	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5319	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5323	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5324,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5327	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5328,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5330	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5331	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5333	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5334	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R5335	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R5337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5338	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5339	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5342,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5346,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5349	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5351	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5353	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5354	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5356	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5357	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5358	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5359	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5361,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R5363	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5364	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5367	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5368	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5372	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5373	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5375	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5377	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5379	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5381	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5382	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5383,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5385,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5387	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R5388,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5390	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5391	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5392	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5393	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5394	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5395	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5396	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5397	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5398	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5399	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5402	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5404	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5405	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5406	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5407	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5408	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R5409	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5414,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5416	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R5417,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5501	D1H84704A008	COMBI.R-R 47	1	
R5502	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5503	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5504	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5505	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5506	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5507	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5508	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5509	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5510	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5511	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5512,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5514	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5515	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5516	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R5517	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5519	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5520	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5521,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5523	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5524,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5526	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5527	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5528,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5530	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5531	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5533	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5534	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R5535	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5536	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R5537	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5538	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5539	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5540,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5542,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5546,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5548	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5549	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5550	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5551	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5552	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5553	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5554	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5555	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5556	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5557	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5558	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R5559	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5560	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5561,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R5563	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5564	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5565	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5566	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5567	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5568	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5569	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5570	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5571	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5572	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5573	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5575	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5577	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5579	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5581	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5582	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5583,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5585,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5587	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R5588,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5590	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5591	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5592	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5593	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5594	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5595	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5596	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5597	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5598	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5599	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5600	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5601	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5602	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5603	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5604	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5605	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5606	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5607	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5608	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R5609	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5610	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5612,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5614,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5616	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R5617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5619	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5702,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5704	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5705,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5707,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5709	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5710	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5711	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5712	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5713	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5715	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5716	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5717	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5720	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5721	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5722	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5723	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5724	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5726	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5727	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5730,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5732	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5735-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R5739	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5741-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5750	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5802,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5804	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5805,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5807,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5809	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5810	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5811	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5812	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5813	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5814	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5815	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5816	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5817	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5820	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5822	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5823	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5824	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5825	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5826	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5827,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5830,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5832	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5833	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5834	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5835-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R5839	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5841-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5850	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5901	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5902	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5903	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5904,05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5906	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R5907	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5908	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5909	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5910	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5911,12	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R5913	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5915,16	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R5917	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5919	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5921	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5922	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5923	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5924	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5925-28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R5929	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5930-33	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	4	
R5934	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5935	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R5936,37	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R5938	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5939	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R5940	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R5941	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5942	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5943	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5944	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R5945	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5946	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R5947	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5948	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5949	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5950	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6301	D1H84704A008	COMBI.R-R 47	1	
R6302	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6303	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6304	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6305	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6306	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6307	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R6308	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6309	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R6310	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6312,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6314	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6315	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6316	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6317	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6319	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6323	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6324,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6327	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6328,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6330	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6331	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6333	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6334	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R6335	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6338	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R6339	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6342,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6346,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6349	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6351	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6353	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6354	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6356	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6357	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6358	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6359	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6361,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R6363	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6364	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6367	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6368	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6372	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6373	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6375	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6377	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6379	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6381	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R6382	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6383,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6385,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6387	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R6388,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6390	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6391	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6392	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6393	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6394	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6395	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6396	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6397	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6398	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6399	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6402	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6404	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6405	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6406	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6407	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6408	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R6409	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6414,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6416	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R6417,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6501	D1H84704A008	COMBI.R-R 47	1	
R6502	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6503	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6504	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6505	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6506	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6507	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R6508	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6509	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R6510	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6511	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6512,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6514	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6515	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6516	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R6517	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6519	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6520	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6521,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6523	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6524,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6526	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6527	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6528,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6530	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6531	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6533	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6534	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R6535	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6536	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6537	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6538	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R6539	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6540,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6542,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6546,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6548	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6549	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6550	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6551	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6552	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6553	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6554	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6555	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6556	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6557	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6558	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6559	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6560	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6561,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R6563	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6564	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6565	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6566	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6567	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6568	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6569	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6570	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6571	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6572	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6573	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6575	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6577	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6579	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6581	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R6582	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6583,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6585,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6587	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R6588,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6590	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6591	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6592	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6593	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6594	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6595	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6596	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6597	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6598	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6599	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6600	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6601	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6602	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6603	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6604	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6605	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6606	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6607	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6608	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R6609	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6610	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6612,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6614,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6616	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R6617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6619	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6702,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6704	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6705,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6707,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6709	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6710	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6711	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6712	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6713	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R6714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6715	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6716	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6717	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6720	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6721	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6722	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R6723	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R6724	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6726	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6730,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6732	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R6733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6735-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R6739	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6741-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6747	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6748	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6749	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6750	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6802,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6804	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6805,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6807,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6809	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6810	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6811	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6812	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6813	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R6814	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6815	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6816	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6817	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6820	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6822	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R6823	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R6824	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6825	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6826	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6828	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6830,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6832	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R6833	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6834	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6835-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R6839	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6841-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6850	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
TG5101,02	EYF6CU	TEST POINT	2	
TP5101-04	EYF6CU	TEST POINT	4	
TP5301	EYF6CU	TEST POINT	1	
TP5501	EYF6CU	TEST POINT	1	
TP5701,02	EYF6CU	TEST POINT	2	
TP5801,02	EYF6CU	TEST POINT	2	
TP5901	EYF6CU	TEST POINT	1	
TP6301	EYF6CU	TEST POINT	1	
TP6501	EYF6CU	TEST POINT	1	
TP6701,02	EYF6CU	TEST POINT	2	
TP6801,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
	VSC4609	SHIELD CASE	4	
	VWZ0212	THERMAL CONDUCTIVE TUBE	4	
	XYN3+K6	SCREW	4	
	VMP6465	HEAT SINK HOLDER ANGLE B	2	
■ E9	VEP85208A	RF CUE P.C.BOARD	1	(RTL)
C4002	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4004	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4006	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4008	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4010,11	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4012	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C4013	ECHU1C822JB	P.CAPACITOR 16V 8200P	1	
C4014	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4015,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4018	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C4020	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4021,22	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4024	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4025	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4026	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4028	VCC0030	C.CAPACITOR	1	
C4030,31	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C4034-36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4037	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4038	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4039	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4040	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4041	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C4042	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4043	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4044	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C4047,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4049	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4050	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C4051,52	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C4053	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4055	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5001-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C5011-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5016-18	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C5101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5102	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5103	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5104	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5105	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C5106,07	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C5108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5109	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5110	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5111	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5112	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C5113,14	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C5115	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5116	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5117	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5118-21	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	4	
C5122	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5123	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5124	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5125-28	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	4	
C5201-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5210	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5211	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5212,13	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5214	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5215,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5217	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C5218	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5222	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5224	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5225,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5401-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5410	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5411	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5412,13	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5414	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5415,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5417	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C5418	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5420	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5422	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5424	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5425,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5601	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5605-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5609,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5611,12	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5613	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5614-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5619-22	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5623,24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5625,26	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5627	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5628-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5639-42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5643,44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5645,46	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5647	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5648-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5653-56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5657,58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5659,60	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5661	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5662-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5901	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5903,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5905	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5907-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5910	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5911	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5912	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5913,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5915	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5916,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5918	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5919-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5922	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5924	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5926,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5928	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
D4001	MA142K	DIODE	1	
D4003	MA3X71600L	DIODE	1	
D4004,05	MA142K	DIODE	2	
D5001	MA142K	DIODE	1	
D5002	MA3J14300L	DIODE	1	
D5201-04	MA142WK	DIODE	4	
D5401-04	MA142WK	DIODE	4	
D5602	MA142WK	DIODE	1	
D5604	MA142WK	DIODE	1	
D5901,02	MA3X71600L	DIODE	2	
FL4001	EIR7QF012B	TRANSFORMER	1	
IC4001,02	C0ABBB000184	IC	2	
IC4003	NJM78L09UA	IC	1	C0CBAHC00002
IC4005	C0CBADD00003	IC	1	
IC4006	C0CBBDB00004	IC	1	
IC4007	NJM78L09UA	IC	1	C0CBAHC00002
IC5001	C0JBAZ001437	IC	1	
IC5002	C0JBAB000541	IC	1	
IC5003	TC4S30F	IC	1	C0JBAZ000429
IC5004,05	C0JBAA000175	IC	2	
IC5006,07	TC4S30F	IC	2	C0JBAZ000429
IC5009	C0JBAA000175	IC	1	
IC5201-04	TC4S30F	IC	4	C0JBAZ000429
IC5205	LT1175CS8	IC	1	
IC5401-04	TC4S30F	IC	4	C0JBAZ000429
IC5405	LT1175CS8	IC	1	
IC5603,04	UPC5102GS030	IC	2	C1ZBZ0001316
IC5607,08	UPC5102GS030	IC	2	C1ZBZ0001316
IC5901,02	C0CBADD00003	IC	2	
IC5903	C0CBBDB00004	IC	1	
L4001	VLQ0423J472	COIL 4700UH	1	
L4004	VLQ0651K181	COIL 180UH	1	G1C181KA0013
L4005	VLQ0651K391	COIL 390UH	1	G1C391KA0013
L5101-08	VLQ0163J2R2	COIL 2.2UH	8	G1C2R2J00009
L5201,02	VLQ0319K330	COIL 33UH	2	G1C330KA0002
L5401,02	VLQ0319K330	COIL 33UH	2	G1C330KA0002
L5901-07	VLF1151A132	COIL	7	
P4001	VJP2278	CONNECTOR (MALE)	1	K1KA09A00087
P5901	VJS3375B080	CONNECTOR (FEMALE)	1	K1KB80B00010
P5902	VJS3900A024	CONNECTOR (FEMALE)	1	
P5903	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
Q4001	2SB779-R	TRANSISTOR	1	
Q4003	2SD874-R	TRANSISTOR	1	
Q4005	2SB792-R	TRANSISTOR	1	
Q4006,07	2SD1149-R	TRANSISTOR	2	
Q4008,09	2SD1979	TRANSISTOR	2	
Q4010	2SB779-R	TRANSISTOR	1	
Q4011	2SD874-R	TRANSISTOR	1	
Q5001	2SB1218A0L	TRANSISTOR	1	
Q5002	2SD1819A0L	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q5101	2SB709A	TRANSISTOR	1	
Q5102,03	2SC3735B35	TRANSISTOR	2	
Q5104	2SB709A	TRANSISTOR	1	
Q5105,06	2SC3735B35	TRANSISTOR	2	
Q5107	2SB709A	TRANSISTOR	1	
Q5108,09	2SC3735B35	TRANSISTOR	2	
Q5110	2SB709A	TRANSISTOR	1	
Q5111,12	2SC3735B35	TRANSISTOR	2	
Q5201-04	XP0150400L	TRANSISTOR	4	
Q5205,06	2SK508K512	TRANSISTOR	2	
Q5207,08	2SD1979	TRANSISTOR	2	
Q5209-11	2SC3935	TRANSISTOR	3	
Q5212,13	2SC4536	TRANSISTOR	2	
Q5214	2SC3935	TRANSISTOR	1	
Q5215	2SA153200L	TRANSISTOR	1	
Q5216	2SC4536	TRANSISTOR	1	
Q5401-04	XP0150400L	TRANSISTOR	4	
Q5405,06	2SK508K512	TRANSISTOR	2	
Q5407,08	2SD1979	TRANSISTOR	2	
Q5409-11	2SC3935	TRANSISTOR	3	
Q5412,13	2SC4536	TRANSISTOR	2	
Q5414	2SC3935	TRANSISTOR	1	
Q5415	2SA153200L	TRANSISTOR	1	
Q5416	2SC4536	TRANSISTOR	1	
Q5601-04	XP6534	TRANSISTOR-RESISTOR	4	
Q5605	XP4506	TRANSISTOR-RESISTOR	1	
Q5606,07	XP6534	TRANSISTOR-RESISTOR	2	
Q5608	XP4506	TRANSISTOR-RESISTOR	1	
Q5609,10	XP6534	TRANSISTOR-RESISTOR	2	
QR4001	UNR511300L	TRANSISTOR	1	
QR4003	UNR521300L	TRANSISTOR	1	
QR4005	UNR521300L	TRANSISTOR	1	
QR4006	UN5215	TRANSISTOR-RESISTOR	1	
QR4007,08	UNR511300L	TRANSISTOR	2	
QR4009,10	UNR521300L	TRANSISTOR	2	
QR5001-03	UNR511100L	TRANSISTOR	3	
QR5004	UNR521100L	TRANSISTOR	1	
QR5101-04	UNR521100L	TRANSISTOR	4	
QR5201-03	UNR511100L	TRANSISTOR	3	
QR5401-03	UNR511100L	TRANSISTOR	3	
R4001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4002	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4003	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4005	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4006	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4007	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4009	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4010	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4011	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4013	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4014	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4017	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4020	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4021	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4022	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4025	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4026	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4027	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4028	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4029	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4030	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R4032	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4033	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4034	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4035	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4036	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4037	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4038	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4039	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4040	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4041	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4042	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4043,44	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4045	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4046	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4047,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4049	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4050	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4051	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4054	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5002	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5003	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5004,05	D1H84734A008	COMBI.R-R 47K	2	
R5006,07	D1H810140001	COMBI.R-R 100	2	
R5008	D1H84734A008	COMBI.R-R 47K	1	
R5009,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5011,12	D1H810140001	COMBI.R-R 100	2	
R5013,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5015	D1H810140001	COMBI.R-R 100	1	
R5017	D1H84734A008	COMBI.R-R 47K	1	
R5018	D1H810140001	COMBI.R-R 100	1	
R5019	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5020	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5022	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5023	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5101	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5102	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5104	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5106	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5107	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5108	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5109	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5110	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5111	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5112	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5113	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5114	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5115	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5116	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5118	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5119	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5120	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5121	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5122	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5123	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5124	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5125	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5126	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5128	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5130	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5131	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5132	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5133	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5134	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5135	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5136	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5137	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5138	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5140	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5142	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5143	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5144	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5145	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5146	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5147	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5148	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5202,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5204-07	EXB24V472J	COMBI.R-R 4.7K	4	
R5208,09	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5211,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5217,18	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5219,20	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R5221-23	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R5224	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5225	ERJ3RED820	M.RESISTOR CH 1/16W 82	1	
R5227	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5228	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5230	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5232,33	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R5234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5236-38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5239,40	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5241,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5243	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5244	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5245,46	ERJ3RED820	M.RESISTOR CH 1/16W 82	2	
R5247	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5248	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5249,50	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R5251	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5252	ERJ12YJ270	M.RESISTOR CH 1/2W 270	1	
R5253-56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5401	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5402,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5404-07	EXB24V472J	COMBI.R-R 4.7K	4	
R5408,09	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5411,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5417,18	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5419,20	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R5421-23	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R5424	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5425	ERJ3RED820	M.RESISTOR CH 1/16W 82	1	
R5427	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5428	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5430	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5431	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5432,33	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R5434	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5435	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5436-38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5439,40	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5441,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5443	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5444	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5445,46	ERJ3RED820	M.RESISTOR CH 1/16W 82	2	
R5447	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5448	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5449,50	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R5451	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5452	ERJ12YJ270	M.RESISTOR CH 1/2W 270	1	
R5453-56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5602	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5603,04	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5605,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5607,08	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5609	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5610,11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5612	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5613,14	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5615,16	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5617	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5618,19	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5620,21	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5622,23	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5624	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5625,26	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5627	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5628,29	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5630,31	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5632	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5633,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5635,36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5637,38	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5639,40	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5641	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5642,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5644	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5645,46	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5647,48	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5649	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5650,51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5652,53	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5654,55	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5656,57	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5658	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5659,60	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5661	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5662,63	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5664,65	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
RY4001	VSY2176	RELAY	1	K6B2CDA00045
RY5001	VSY2176	RELAY	1	K6B2CDA00045
T4001	VLT0729	TRANSFORMER	1	G4ZZ00000358
T4003	VLT0729	TRANSFORMER	1	G4ZZ00000358
TG4001	EYF6CU	TEST POINT	1	
TG5901	EYF6CU	TEST POINT	1	
TP4001,02	EYF6CU	TEST POINT	2	
TP4005,06	EYF6CU	TEST POINT	2	
VR4001	EVMEGSA00B15	V.RESISTOR 100K	1	
		MISCELLANEOUS		
	VMP5846	RF HOLDER ANGLE	1	
	VYQ1745	SHIELD CASE (UPPER) ASS'Y	1	
	VSC4933	SHILD HOLDER ANGLE	1	
	VSC4934	SHIELD ANGLE	1	
	VSC4928	EARTH FINGER	1	
	XSN26+3	SCREW	1	
	VSC4386	RF SHIELD CASE (MIDDLE)	1	
	XTV3+6FFR	SCREW	2	
	VSC4437	RF SHIELD CASE (LOWER)	1	
	VMZ3241	RF BARRIER	1	
■ E10	VEP80C41A	MOTHER P.C.BOARD	1	(RTL)
C1,C2	ECA1CHG682	E.CAPACITOR 16V 6800U	2	
D1	21DQ04	DIODE	1	B0JAME000021
L1,L2	VLP0017	COIL	2	J0JHB0000010
P1-15	K1KB96A00048	CONNECTOR (FEMALE)	15	
P16	VJP3375A080	CONNECTOR (MALE)	1	K1KA80A00054
P17	VJS3814	CONNECTOR (FEMALE)	1	K1KB96A00037
P18,19	K1KA08A00283	CONNECTOR (MALE)	2	
P20	K1KB30B00028	CONNECTOR (FEMALE)	1	
P21	VJP3510	CONNECTOR (MALE)	1	K1KAC8B00004
		MISCELLANEOUS		
	VKC0392	SPACER	1	
	VMP6815	JACK PB GUIDE ANGLE (B)	1	
	VMP6817	MOTHER ANGLE (B)	1	
	VMP6816	MOTHER ANGLE (A)	1	
	VMP6824	MOTHER ANGLE (C)	1	
	XYE3+EF8FZ	SCREW	8	
	XTV3+6F	SCREW	2	
	VMX2541	P.C.BOARD SPACER	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	XYN26+C12	SCREW	4	
	XNG26EFXS	NUT	4	
■ E11	VEP82239A	MECHA IF P.C.BOARD	1	(RTL)
C1,C2	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C3	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C6	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C9,10	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C11,12	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C14,15	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C16	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C151-59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C160-63	EEVHB1C470P	E.CAPACITOR 16V 47U	4	
C164,65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C201-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
D1	MA147	DIODE	1	
D153,54	MA3X71600L	DIODE	2	
IC1,C2	0P177GS	IC	2	
IC3	C0ABBB000124	IC	1	
IC4-C6	NJM4558M	IC	3	C0ABBB000044
IC151	NJM78L09UA	IC	1	C0CBAHC00002
IC152	NJM79L09UA	IC	1	C0CABBF00001
IC153-55	C0JBAZ000608	IC	3	
IC156,57	C0JBAQ000080	IC	2	
L151,52	VLF1151A132	COIL	2	
P11	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P12	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
P13	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P14	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P15	K1KA02B00075	CONNECTOR (MALE)	1	
P16	K1KA03B00102	CONNECTOR (MALE)	1	
P17	VJS3801D015	CONNECTOR (FEMALE)	1	
P18	K1KA02B00075	CONNECTOR (MALE)	1	
P19	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P20	K1KA03B00102	CONNECTOR (MALE)	1	
P21	K1KA02B00075	CONNECTOR (MALE)	1	
P22	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P24	K1KA02B00075	CONNECTOR (MALE)	1	
P25	K1KA03A00017	CONNECTOR (MALE)	1	
P26	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
P30	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P32	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P33	K1MN15B00033	CONNECTOR	1	
P34,35	VJS2889A017	CONNECTOR (FEMALE)	2	K1MN17A00008
P36	K1MN19B00007	CONNECTOR	1	
P48	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P151	VJS2899A096	CONNECTOR (FEMALE)	1	K1KB96A00035
Q1	2SB1218A-R	TRANSISTOR	1	
Q101-08	B1DZED000002	TRANSISTOR	8	
QR101-12	UNR521300L	TRANSISTOR	12	
R1,R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R7,R8	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R9	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R10	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R11	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R12	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R13	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R14	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R15	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R16	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R17	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R18	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R19	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R20	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R21	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R22	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R24	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R25	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R26	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R27	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R101-04	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R105-07	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	3	
R108,09	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R110	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R111,12	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R113-16	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	4	
R151-64	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	14	
R165	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R166,67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R168,69	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R201,02	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
VR1	EVMECSA00B24	V.RESISTOR 20K	1	
VR2	EVMECSA00B54	V.RESISTOR 50K	1	
VR201,02	EVMECSA00B24	V.RESISTOR 20K	2	
■ E12	VEP82247A	MECHA IF 2 P.C.BOARD	1	(RTL)
P1001,02	VJP3454B096	CONNECTOR (MALE)	2	K1KA96B00021
		MISCELLANEOUS		
	VMP6808	CONNECTION PB ANGLE	1	
	XTV3+6F	SCREW	2	
■ E13	VEP81221C	POWER 1 P.C.BOARD	1	(RTL)
C1002,03	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C1004	ECHU1H471GB	P.CAPACITOR 50V 470P	1	
C1005	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C1006	ECA1HXL010	E.CAPACITOR 50V 1U	1	
C1007	ECQE6473KF	P.CAPACITOR 630V 0.047U	1	
C1008	VCK0106K221	C.CAPACITOR 220P	1	
C1009	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1010	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C1011	ECA1VXL470	E.CAPACITOR 35V 47U	1	
C1012	ECA1HXL330	E.CAPACITOR 50V 33P	1	
C1015	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1017	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1101	ECA1HXL100	E.CAPACITOR 50V 10U	1	
⚠ C1107	ECQU2A474ML	P.CAPACITOR 100V 0.47U	1	
⚠ C1109	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1110,11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1114	ECUM1E474ZFM	C.CAPACITOR CH 25V 0.47U	1	
C1116	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C1117	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1119	ECQV1H684JF	P.CAPACITOR 50V 0.68U	1	
⚠ C1120	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1122	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1123	ECQE2W225KC	P.CAPACITOR 450V 2.2U	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1124	EEUFC1H121L	E.CAPACITOR 50V 120U	1	
C1125	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1126	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C1127	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1128	ECQF6222JZH	P.CAPACITOR 630V 2200P	1	
C1129	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1130,31	VCK0106K471	C.CAPACITOR 470P	2	
C1132	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1133,34	VCK0106K471	C.CAPACITOR 470P	2	
C1135	ECEC2WC151CB	E.CAPACITOR 450V 150P	1	
C1138	ECA1HXL220	E.CAPACITOR 50V 22U	1	
⚠ C1139	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1140	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1201-10	ECQE6473KF	C.CAPACITOR 1000P	10	
C1211-14	EEUFC1A682	E.CAPACITOR 10V 6800U	4	
C1215	EEUFC1E182	E.CAPACITOR 25V 1800U	1	
C1217	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1218	EEUFC1A682	E.CAPACITOR 10V 6800U	1	
C1219,20	EEUFC1E102LE	E.CAPACITOR 25V 1000U	2	
C1221	EEUFC1A682	E.CAPACITOR 10V 6800U	1	
C1222	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C1223	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1224-26	ECA1CXL101	E.CAPACITOR 16V 100U	3	
C1227,28	ECA1EXL101	E.CAPACITOR 25V 100U	2	
C1229,30	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C1231	ECA1CXL101	E.CAPACITOR 16V 100U	1	
C1232	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C1233	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1234	ECA1HXL100	E.CAPACITOR 50V 10U	1	
C1235	ECA1HXL2R2	E.CAPACITOR 50V 2.2U	1	
C1236,37	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C1239	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1240,41	ECQE6473KF	C.CAPACITOR 1000P	2	
C1242	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1243	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1244	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
D1001	MA142WA	DIODE	1	
D1002	MA142K	DIODE	1	
D1003	MA3240-H	DIODE	1	
D1005	EG01C	DIODE	1	B0HAGV000001
D1006	MA3051-M	DIODE	1	MAZ30510ML
D1007	SFPL-52	DIODE	1	
D1008	MA3200-M	DIODE	1	
D1009,10	SFPL-52	DIODE	2	
D1013	SFPL-52	DIODE	1	
D1101,02	MA3200-M	DIODE	2	
D1103	MA3068-M	DIODE	1	
D1104	MA142K	DIODE	1	
D1105,06	B0AAMT000002	DIODE	2	
D1107	MA142K	DIODE	1	
D1108	MA1070400L	DIODE	1	
D1109	RBV606	DIODE	1	
D1110	MA2P701A0L	DIODE	1	
D1111,12	MA3200-M	DIODE	2	
D1113-15	SFPL-52	DIODE	3	
D1116	MA3068-M	DIODE	1	
D1117	MA142K	DIODE	1	
D1118	FML-G26S	DIODE	1	
D1119,20	B0AAMT000002	DIODE	2	
D1201	D5S9M	DIODE	1	B0JARK000009
D1202,03	FML-G12SP	DIODE	2	
D1204	D20LC20U	DIODE	1	B0HBSM000021
D1205	FML-G12SP	DIODE	1	
D1206	MA142WA	DIODE	1	
D1207	FML-G12SP	DIODE	1	
D1208	MA142K	DIODE	1	
D1209	MA3160-L	DIODE	1	
D1210	MA142K	DIODE	1	
D1211	MA3100-M	DIODE	1	
D1212	MA3051-M	DIODE	1	MAZ30510ML
D1213	MA3240-H	DIODE	1	
D1214	MA3160-L	DIODE	1	
D1215	MA3100-M	DIODE	1	
D1216	MA142K	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1218	MA142K	DIODE	1	
D1219	MA3027-H	DIODE	1	
D1221	MA3027-H	DIODE	1	
D1222-24	MA142K	DIODE	3	
IC1001	FA5311BP	IC	1	C0DAAZZ00002
IC1101	MC33262P	IC	1	C0DAZZZ00013
IC1102	M51945BL	IC	1	C0EAB0000004
IC1103	M51951BL	IC	1	C0EAH0000030
IC1201	UPC1944J	IC	1	C0DAZLB00001
IC1202	C0DAEZH00010	IC	1	
IC1203	UPC1093J	IC	1	C0DAEMC00002
IC1204	C0BBBA000019	IC	1	
IC1205	PQ30RV31	IC	1	
L1001	VLP0074	COIL	1	J0JDB0000002
⚠ L1102,03	ELF21N020A	FILTER	2	
L1104	VLQ0820	COIL	1	
L1201	VLQ0655K220	COIL 22UH	1	
L1202	VLQ0826M4R7	COIL 4.7UH	1	
L1203	VLQ0826M100	COIL 10UH	1	
L1204,05	VLQ0826K220	COIL 22UH	2	
L1206	VLQ0655K220	COIL 22UH	1	
P1103	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112
P1201,02	K1KB08A00077	CONNECTOR (FEMALE)	2	
Q1001	B1DEFV000001	TRANSISTOR	1	
⚠ Q1002-04	B3QAZ0000030	PHOTO COUPLER	3	
Q1101	2SJ278	TRANSISTOR	1	
Q1102	TM1661S-L	DIODE	1	
Q1103	B1DEGR000013	TRANSISTOR	1	
Q1201	XN4501	TRANSISTOR-RESISTOR	1	
Q1202	XN0440100L	TRANSISTOR	1	
Q1203	XN4501	TRANSISTOR-RESISTOR	1	
QR1001	UNR221300L	TRANSISTOR	1	
QR1002	UN2111	TRANSISTOR-RESISTOR	1	
QR1101	UNR211200L	TRANSISTOR	1	
QR1102	UN2215	TRANSISTOR-RESISTOR	1	
QR1103	UN2113	TRANSISTOR-RESISTOR	1	
QR1104,05	UNR221300L	TRANSISTOR	2	
QR1201	UN2211	TRANSISTOR-RESISTOR	1	
QR1202	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1203	UN2111	TRANSISTOR-RESISTOR	1	
QR1204	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1205	UN2111	TRANSISTOR-RESISTOR	1	
QR1206,07	UNR221300L	TRANSISTOR	2	
R1002	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
⚠ R1003	VRT0142	THERMISTOR	1	D4DDB3310005
R1004	ERW1PKR33	W.RESISTOR 1W 0.33	1	
R1005	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R1006	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1007	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R1008,09	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1010	ERG2SJ180	M.RESISTOR 2W 18	1	
R1011	ERJ6RBD241	M.RESISTOR CH 1/10W 240	1	
R1012	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1014	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1015	ERJ12YJ220	M.RESISTOR CH 1/2W 22	1	
R1016,17	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1018	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R1019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1020	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1021	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1022	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R1101,02	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1103	ERJ6RBD273	M.RESISTOR CH 1/10W 27K	1	
R1104	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R1105	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1107	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R1108	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1109	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1110	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R1112-14	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	
R1115,16	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R1117,18	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	2	
R1119	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1121,22	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1123,24	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	2	
⚠ R1125	ERU5TEJ100	F.RESISTOR 5W 10	1	
R1127-30	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	4	
R1131	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1132	ERG2SJ221	M.RESISTOR 2W 220	1	
R1133	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1134	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R1135	ERJ12YJ100	M.RESISTOR CH 1/2W 10	1	
R1136	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R1137	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1139	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R1140	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1141	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1142,43	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1144	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	1	
R1145	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R1146	ERJ12YJ472	M.RESISTOR CH 1/2W 4.7K	1	
R1147	ERG2SJ220	M.RESISTOR 2W 22	1	
R1148	ERF2TKR15	W.RESISTOR 2W 0.15	1	
R1150-52	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1153	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R1154	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1155	ERG2SJ220	M.RESISTOR 2W 22	1	
R1161	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1165	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1167-69	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1201	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	D0GD121JA003
R1202,03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1204-08	ERG2SJ220	M.RESISTOR 2W 22	5	
R1209	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1210,11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1212	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R1213	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R1214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1215	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1216,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1218,19	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1220	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1221	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1222	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1223	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R1224	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1225	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1226	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
⚠ R1227	VRT0033	THERMISTOR	1	D4DDB3310004
R1228,29	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1230	ERX2SZJR10	M.RESISTOR 2W 0.1	1	
R1231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1232	ERX2SZJR10	M.RESISTOR 2W 0.1	1	
R1233	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1235	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1237-39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1240	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R1241	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1244	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1245	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1247	ERG2SJ470	M.RESISTOR 2W 47	1	
R1248	ERG2SJ221	M.RESISTOR 2W 220	1	
R1249	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R1250,51	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1252	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1253	ERG2SJ220	M.RESISTOR 2W 22	1	
R1254	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R1255	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
⚠ T1001	ETS42AE326AD	TRANSFORMER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR1102	EVMEASA00B52	V.RESISTOR 500	1	
VR1201	EVMEASA00B13	V.RESISTOR 1K	1	
		MISCELLANEOUS		
	VJR1008	EARTH LUG	4	
⚠	VMZ1608	CAPACITOR TUBE	3	
	VSC5221	HEAT SINK (A)	1	
	VSC5433	HEAT SINK (B)	1	
	VLP0336	FERRITE CORE	4	
	VLP0394	FERRITE BEAD	3	J0KE00000032
	VMZ2919	BARRIER	1	
	XYN3+F6FZS	SCREW	6	
	XYN3+F8FZS	SCREW	8	
	XYN3+F10	SCREW	4	
	VJF1348	CLAMPER	1	
	VSC4780	HEAT SINK (D)	1	
	VMZ3305	POWER COMMUTATION SHEET	1	
■ E14	VEP81222A	POWER 2 P.C.BOARD	1	(RTL)
⚠ C1502	F1BAH101A001	C.CAPACITOR 100P	1	
⚠ C1503	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1504	F1BAH101A001	C.CAPACITOR 100P	1	
⚠ L1501	ELF19N020A	FILTER	1	
⚠ P1501	VJS2985	CONNECTOR (FEMALE)	1	K2AH3H000012
P1502	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112
⚠ R1506	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	
		MISCELLANEOUS		
⚠	VMZ1608	CAPACITOR TUBE	2	
	EYF52BC	FUSE HOLDER	2	
⚠	VSF0106C31H	FUSE	1	
	VJR1008	EARTH LUG	2	
	VEE9627	FG CABLE	1	
⚠	VMP6812	AC IN HOLDER ANGLE	1	
	XSN3+6FZ	SCREW	2	
	XYN3+F8	SCREW	2	
	XYN4+E6VW	SCREW	1	
⚠	VMZ0429	FUSE COVER	1	
■ E15	VEP80C40A	AV JACK P.C.BOARD	1	(RTL)
C100	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C101	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C102,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C104	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C105-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C108	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C109,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C111	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C200	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C201	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C202	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C203	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C204,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C206,07	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C300-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C400,01	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C402,03	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C404-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C410,11	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C412,13	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C414,15	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C416,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C418-25	EEAHB1C470B	E.CAPACITOR 16V 47U	8	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501-16	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	16	
C517	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C518-24	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	7	
C526-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C601-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D100	MA3X71600L	DIODE	1	
IC100	NJM78L09UA	IC	1	C0CBAHC00002
IC101	NJM79L09UA	IC	1	C0CABBF00001
IC200	C0CBBDB00004	IC	1	
IC201	C0CBADD00003	IC	1	
IC400	C0CBADD00003	IC	1	
IC401	C0CBBDB00004	IC	1	
IC402,03	C0JBAB000243	IC	2	
IC404,05	NJM360M	IC	2	C0BBZB000001
IC500	C0JBAQ000168	IC	1	
IC501	SN74S1051NS	IC	1	
IC502	C0JBAB000542	IC	1	
IC503	C0JBAQ000168	IC	1	
IC504,05	C0JBAZ001935	IC	2	
IC601	C0JBAN000168	IC	1	
IC602	C0JBAZ001936	IC	1	
IC603	C0JBAN000168	IC	1	
J200-03	VJS3902	CONNECTOR (FEMALE)	4	K1CB204H0002
J300-03	K1AB103A0007	CONNECTOR (MALE)	4	
J304-09	VJP3417	CONNECTOR (MALE)	6	K1AA103A0003
J310	K1AB103A0007	CONNECTOR (MALE)	1	
J311	VJP3417	CONNECTOR (MALE)	1	K1AA103A0003
J400	VJS3902	CONNECTOR (FEMALE)	1	K1CB204H0002
L100,01	VLF1151A132	COIL	2	
L312,13	VLP0145	COIL	2	
L317	VLP0145	COIL	1	
L319	VLP0145	COIL	1	
L321	VLP0145	COIL	1	
L323	VLP0145	COIL	1	
L325	VLP0145	COIL	1	
L327	VLP0145	COIL	1	
L329	VLP0145	COIL	1	
L331-43	VLP0145	COIL	13	
L346,47	VLP0145	COIL	2	
L400,01	VLQ0319K470	COIL 47UH	2	G1C470K00013
L402,03	VLQ0426J120	COIL 12UH	2	G1C120J00005
P100	VJS3510	CONNECTOR (FEMALE)	1	K1KBC8A00003
P101	VJP3414A015	CONNECTOR (MALE)	1	K1FB115A0008
P102,03	VJP3414A009	CONNECTOR (MALE)	2	K1FB109A0016
P104	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P105	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P200	VJS3901	CONNECTOR (FEMALE)	1	K1CB204H0004
P400	VJS3901	CONNECTOR (FEMALE)	1	K1CB204H0004
P500	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P600	K1FA108A0003	CONNECTOR (MALE)	1	
Q200,01	2SC2295	TRANSISTOR	2	
Q400-02	2SC3930	TRANSISTOR	3	
Q403	2SA153200L	TRANSISTOR	1	
Q404	2SC3930	TRANSISTOR	1	
Q405	2SA153200L	TRANSISTOR	1	
Q406	2SC3930	TRANSISTOR	1	
Q407	2SA153200L	TRANSISTOR	1	
Q408	2SC3930	TRANSISTOR	1	
Q409	2SA153200L	TRANSISTOR	1	
Q500-05	XN1214	TRANSISTOR-RESISTOR	6	
R200-02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	D0YDR0000005
R203-05	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R206	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R207	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R208	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R209	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R210	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R211	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R212-17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	D0YDR0000005
R218	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R219	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R220	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R400,01	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R402-05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R406,07	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R408,09	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R410,11	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	2	
R412,13	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R414-19	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R420	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R421,22	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R423	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R424,25	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R426,27	ERJ6RED750	M.RESISTOR CH 1/10W 75	2	
R428,29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R430,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R500	ERQ12HJ2R7	F.RESISTOR 1/2W 2.7	1	
R501-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	24	D0GB103JA002
R525-28	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R529,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R600-03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R604-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R608	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R609-12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
SW200,01	VSS0307	SWITCH	2	K0D122A00105
SW600	VSS023706	SWITCH	1	K0D612A00005
		MISCELLANEOUS		
	VMP4866	D SUB ANGLE	1	
	VXQ0102	SCREW	10	K1YE50000008
	XYN26+F8	SCREW	2	
	VMP6814	JACK PB GUIDE ANGLE (A)	1	
	XSN26+8FZ	SCREW	2	
	XNG26EFXS	NUT	2	
■ E16	VEP86327B	FRONT P.C.BOARD	1	(RTL)
C100,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C102	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C104	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C105-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C108	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C109-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C200-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C300-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C400	ECUX1E473KBV	C.CAPACITOR CH 25V 0.047U	1	
C401	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C402	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C403	EEUFC1J101	E.CAPACITOR 63V 100U	1	
C404	EEUFC1A122	E.CAPACITOR 10V 1200U	1	
C405	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C406,07	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C409	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C410	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C411	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C412	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C413	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C415	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C417,18	ECCF1H102J	C.CAPACITOR 50V 1000P	2	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C502	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C506	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C507	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C508	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C515	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C516	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C517,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C519	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C520	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C521,22	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C525,26	F1H1H122A219	C.CAPACITOR CH 50V 1200P	2	
C527	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D300	LNW9A8BYBZ	LED	1	
D301-03	LN38GCPP	LED	3	
D304	LN48YCPP	LED	1	
D305	LN38GCPP	LED	1	
D306	LNW9A8BYBZ	LED	1	
D400	MAZ33300ML	DIODE	1	
D401	U1GU44	DIODE	1	
D402	MA3062M	DIODE	1	
D403	MA152K	DIODE	1	
D404	MA3150-M	DIODE	1	
D405	MAZ30270HL	DIODE	1	
D500-03	MA3X71600L	DIODE	4	
D505	MA3X71600L	DIODE	1	
D506	MA142WA	DIODE	1	
DP400	A2BZ00000033	LCD	1	
FL500,01	J0HAAC000013	FILTER	2	
IC100	C0JBAZ000994	IC	1	
IC101	C0JBAB000541	IC	1	
IC102	C0JBAZ001121	IC	1	
IC103	UPC339G2	IC	1	
IC200-06	C0JBAZ001935	IC	7	
IC300-04	C0JBAQ000168	IC	5	
IC400	UPD16310GF	IC	1	
IC401	C0JBAM000052	IC	1	
IC403	C0JBAM000052	IC	1	
IC500	C0CBADC00063	IC	1	
IC502	XC62FP3202P	IC	1	
IC503,04	C0ABBA000071	IC	2	
IC505	NJM78L09UA	IC	1	C0CBAHC00002
IC506	NJM79L09UA	IC	1	C0CABBF00001
IC507	NJM4556AM	IC	1	C0ABBB000042
J500	VJJ0571	JACK	1	
L100-02	VLF1151A132	COIL	3	
L103	VLP0133	COIL	1	
L400	VLQ0655K220	COIL 22UH	1	
L500,01	VLP0146	COIL	2	
P100	K1KA30C00003	CONNECTOR (MALE)	1	
P101	VJP1246T	CONNECTOR (MALE) 6P	1	
P300	K1KB07A00019	CONNECTOR (FEMALE)	1	
Q400,01	2SD602A-R	TRANSISTOR	2	
Q402	B1BBGE000001	TRANSISTOR	1	
Q403	2SD602A-R	TRANSISTOR	1	
Q404	2SJ278	TRANSISTOR	1	
Q405-07	2SB1219A	TRANSISTOR	3	
Q500,01	2SD1328	TRANSISTOR	2	
QR300-03	UN2214	TRANSISTOR-RESISTOR	4	UNR221400L
QR304-06	UN2114	TRANSISTOR-RESISTOR	3	
QR307-13	UN2214	TRANSISTOR-RESISTOR	7	UNR221400L
QR314	UN2114	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR315-39	UN2214	TRANSISTOR-RESISTOR	25	UNR221400L
QR400-02	UNR221300L	TRANSISTOR	3	
R103	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R104	D0GZ103J0001	M.RESISTOR CH 10K	1	
R105	D1H84704A008	COMBI.R-R 47	1	
R107	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R108	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R109	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R110	D1H84704A008	COMBI.R-R 47	1	
R113-16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R117-20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R123-26	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R127	D0GZ103J0001	M.RESISTOR CH 10K	1	
R131,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R133,34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R200-13	D1H847240002	COMBI.R-R 4.7K	14	
R214	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R216	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R217	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R300	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R301-04	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	4	
R305	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R306	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R307-17	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	11	
R318,19	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R320-38	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	19	
R339	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R400	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R401	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	1	
R402	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R403,04	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R405	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
⚠ R407	K5H3121A0004	FUSE	1	
R408	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R409-11	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	3	
R412	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R413,14	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R416	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R417	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R418	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R420-22	ERJ8GEYJ682	M.RESISTOR CH 1/8W 6.8K	3	
R423-28	ERJ8GEYJ332	M.RESISTOR CH 1/8W 3.3K	6	
R442-44	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	3	
R445	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R503	D1H810240001	COMBI.R-R 1K	1	
R504,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R506,07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R508,09	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R510,11	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R512	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R513,14	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R515	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R516,17	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R519,20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R521-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R529	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
SW200-07	VSP0853A000	SWITCH	8	K0F111A00235
SW208	VSP0795	SWITCH	1	K0F111A00276
SW209-16	VSP0864A000	SWITCH	8	K0F111A00243
SW217	K0F111A00367	SWITCH (RED)	1	
SW218	VSP0864A000	SWITCH	1	K0F111A00243
SW219,20	VSP0853A000	SWITCH	2	K0F111A00235
SW221	VSP0864A000	SWITCH	1	K0F111A00243
SW222	VSP0791	SWITCH	1	K0F111A00279
SW223	K0F111A00426	SWITCH	1	
SW224	VSP0792	SWITCH	1	K0F111A00280
SW225	VSP0789	SWITCH	1	K0F111A00283
SW226	VSP0790	SWITCH	1	K0F111A00278
SW227,28	VSP0864A000	SWITCH	2	K0F111A00243
SW229	VSS0313	SWITCH	1	K0D113A00044

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
SW230	VSS0279	SWITCH	1	K0D112A00094
SW231	VSS0313	SWITCH	1	K0D113A00044
SW232,33	VSS0279	SWITCH	2	K0D112A00094
SW234,35	EVQPAD04M	SWITCH	2	
SW236	VSS0279	SWITCH	1	K0D112A00094
SW237-44	EVQPAD04M	SWITCH	8	
SW247,48	EVQPAD04M	SWITCH	2	
T400	G4ZZ00000446	TRANSFORMER	1	
VR500-03	VRV0279	V.RESISTOR	4	D2BCA54B0003
VR505	EVJY00F15A14	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	5	
	VJF1466	LCD HOLDER	2	
	VMX3227	LED HOLDER	2	
	VGU9191	KEY TOP BUTTON	2	
	VSC5409	HEADPHONE EARTH ANGLE	1	
	VSC5450	EARTH ANGLE	1	
■ E17	VEP80C43A	FRONT SUB P.C.BOARD	1	(RTL)
D700	LN38GCPP	LED	1	
D702,03	LN48YCPP	LED	2	
D704	LNW9A8BYBZ	LED	1	
P700	K1KA07A00083	CONNECTOR (MALE)	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	4	
■ E18	VEP80C42A	EJECT P.C.BOARD	1	(RTL)
SW600	VSP0864C001	SWITCH	1	K0F111A00274
		MISCELLANEOUS		
	VWJ03CN060AA	FLAT CABLE	1	
■ E19	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMENT PARTS LIST (AJ-YA931G)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■E1	VEP83594B	V IN P.C.BOARD	1	(RTL)
			1	
■E1	VEP83594B	V IN P.C.BOARD	1	(RTL)
C3001-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3007	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3008	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3009	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3013,14	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3015-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3028	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3029	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3030	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3031	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3032-38	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C3039-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C3054-60	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C3061	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3062	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3063-69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3070	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3071	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3072-76	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	5	
C3102-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3105	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3106	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3108,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3110	EEVHB1H4R7	E.CAPACITOR 50V 4.7U	1	
C3111	ECHU1H683JB	P.CAPACITOR 50V 0.068U	1	
C3112	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3113	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C3114	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3115	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C3116	ECHU1C392JA	P.CAPACITOR 16V 3900P	1	
C3117	ECUM1C334KBM	C.CAPACITOR CH 16V 0.33U	1	
C3118	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3119	ECHU1C152JA5	P.CAPACITOR 16V 1500P	1	
C3120	ECUX1C684KBM	C.CAPACITOR CH 16V 0.68U	1	
C3121	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3122,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3124	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3125	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3152	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3157,58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3159	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3160	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3163	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3165-67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3168	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3169-77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3179,80	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3182	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3183,84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3204	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3205	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3206-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3213	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3214-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3253-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3256	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3257	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3258	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3259	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3260,61	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C3262-65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3270	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3272	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3273	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3274	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3275	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3276	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3278	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3279	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C3280,81	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C3282	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3283-86	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3300	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3302	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3303	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3306,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3308	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3309	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3311	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C3314,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3316	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C3317	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3318,19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3356-59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C3360	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3361-65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3366,67	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3368,69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3370-72	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	3	
C3373,74	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	2	
C3375,76	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3377,78	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C3381,82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3400	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3401	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3404	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3405	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C3406,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3410	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3411	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3412	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3413,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3450	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3451	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3452	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3453	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3454	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3455	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C3456	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3457	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3459	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3460	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3461	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3462	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3463	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3464	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C3465	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3466	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3467	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3468	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3469	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3470,71	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3472	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3473	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3474	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3475	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3476	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3477-79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3504	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3505-07	EEVHB0J101	E.CAPACITOR 6.3V 100U	3	
C3508-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3536	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3538	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3539	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3540,41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3542	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3543	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3546	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3547	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3549-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3552	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3553	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3554	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3555-62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3564	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3606	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3607	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3608	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3609	ECUM1H680JCN	CHIP 20125 (NPO) MKR(ECUV	1	
C3610	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3611-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3615	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3618	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3619	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3620	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3621	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3622,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3624	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3625	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3626-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3636	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3706	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3707	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3708	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3709	ECUM1H680JCN	CHIP 20125 (NPO) MKR(ECUV	1	
C3710	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3711-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3715	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3718	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3719	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3720	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3721	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3722,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3724	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3725	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3726-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3736	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3803-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3820	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3821	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3822-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3828	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3829-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3837	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3870,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3900	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3901-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3950-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D3001-04	MA704A	DIODE	4	
D3100	MA142K	DIODE	1	
D3150	MA3J14300L	DIODE	1	
D3300	MA3J14300L	DIODE	1	
D3350	MA142K	DIODE	1	
D3400	MA142WK	DIODE	1	
D3450	MA142K	DIODE	1	
D3451	MA335-R	DIODE	1	
D3530	MA3J14300L	DIODE	1	
D3600	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
DL3450	VLD0264	COIL	1	G2A7R9C00001
FL3100	VLF1015	FILTER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
FL3530	VLF1179	FILTER	1	
FL3600	VLF1476	FILTER	1	J0E3504B0004
FL3700	VLF1476	FILTER	1	J0E3504B0004
IC3001-04	AN77L03M	IC	4	
IC3005	AN77L05M	IC	1	
IC3006,07	NJM78L09UA	IC	2	C0CBAHC00002
IC3008-14	AN77L05M	IC	7	
IC3015-21	C0CBBDB00004	IC	7	
IC3022	C0CBAAB00021	IC	1	
IC3100	C0JBAS000075	IC	1	
IC3101	AN3296S	IC	1	
IC3102	SN74LS221NS	IC	1	
IC3150	C0ABFB000012	IC	1	
IC3151	C0ABEB000023	IC	1	
IC3152	C0FBAF000042	IC	1	
IC3153	C0JBAZ001437	IC	1	
IC3154	C0JBAA000261	IC	1	
IC3200	C0JBAA000261	IC	1	
IC3201	CXD2024AQ	IC	1	C1AB00000468
IC3202	C0JBAA000261	IC	1	
IC3300	SN74LV04APW	IC	1	C0JBAB000247
IC3301	SN74LS221NS	IC	1	
IC3302	C0ABFB000012	IC	1	
IC3304,05	C0JBAR000111	IC	2	
IC3350	NJM319V	IC	1	
IC3351,52	NJM1496V	IC	2	
IC3400	AN91A12S	IC	1	
IC3450	C0JBAC000158	IC	1	
IC3451	C0JBAB000354	IC	1	
IC3452	C0JBAF000250	IC	1	
IC3453,54	SN74LS221NS	IC	2	
IC3455	C0ABEB000023	IC	1	
IC3456	C0JBAR000111	IC	1	
IC3457	C0JBAZ001003	IC	1	
IC3530	C0JBAS000075	IC	1	
IC3531	C0ABFB000012	IC	1	
IC3532	C0FBAF000042	IC	1	
IC3533	C0ABEB000023	IC	1	
IC3534	C0ABGB000013	IC	1	
IC3600	C0JBAS000075	IC	1	
IC3601	C0ZBZ0000569	IC	1	
IC3602	C0ABFB000012	IC	1	
IC3603	C0ABEB000023	IC	1	
IC3604	C0FBAF000042	IC	1	
IC3700	C0JBAS000075	IC	1	
IC3701	C0ZBZ0000569	IC	1	
IC3702	C0ABFB000012	IC	1	
IC3703	C0ABEB000023	IC	1	
IC3704	C0FBAF000042	IC	1	
IC3800	M62370GP	IC	1	C0FBBD000082
IC3820	C1ZBZ0002123	IC	1	
IC3821	C0JBAA000261	IC	1	
IC3822	AK6440AF	IC	1	
IC3823,24	C0JBAZ001437	IC	2	
IC3870	74LCX244MTCX	IC	1	C0JBAZ000545
IC3871	C0JBAZ001003	IC	1	
IC3900,01	C0JBAZ001121	IC	2	
IC3902	C0JBAZ001137	IC	1	
IC3950	C0JBAZ001003	IC	1	
ID3950	VVVSI3933	SOFTWARE	1	
IP3950	C1ZBZ0001555	IC	1	
L3001	VLF1151A132	COIL	1	
L3004	VLF1151A132	COIL	1	
L3153	G1C101K00022	COIL 100UH	1	
L3155	G1C101K00022	COIL 100UH	1	
L3253,54	VLQ0163J180	COIL 18UH	2	G1C180J00001
L3255,56	VLQ0163J220	COIL 22UH	2	
L3257	VLQ0163J270	COIL 27UH	1	
L3258	VLQ0163J6R8	COIL 6.8UH	1	G1C6R8J00007
L3259	VLQ0163J5R6	COIL 5.6UH	1	
L3353	VLQ0163J470	COIL 47UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3354,55	VLQ0163J680	COIL 68UH	2	
L3402	VLQ0133J471	COIL 470UH	1	G1C471J00001
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3533	VLQ0133J821	COIL 820UH	1	
L3535	G1C101K00022	COIL 100UH	1	
L3603	VLQ0133J821	COIL 820UH	1	
L3605	G1C101K00022	COIL 100UH	1	
L3703	VLQ0133J821	COIL 820UH	1	
L3705	G1C101K00022	COIL 100UH	1	
P3001	K1KA96B00032	CONNECTOR (MALE)	1	
P3950	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q3100	2SB709A	TRANSISTOR	1	
Q3101	2SD601A	TRANSISTOR	1	
Q3102	XN4501	TRANSISTOR-RESISTOR	1	
Q3150	2SD601A	TRANSISTOR	1	
Q3151	2SC3130	TRANSISTOR	1	
Q3152	2SB709A	TRANSISTOR	1	
Q3153-55	2SD601A	TRANSISTOR	3	
Q3156	2SK198-R	TRANSISTOR	1	2SK01980R
Q3250,51	2SD601A	TRANSISTOR	2	
Q3252,53	2SB709A	TRANSISTOR	2	
Q3254,55	2SD601A	TRANSISTOR	2	
Q3256,57	2SC3130	TRANSISTOR	2	
Q3258-60	2SD601A	TRANSISTOR	3	
Q3261	2SB709A	TRANSISTOR	1	
Q3300	2SD601A	TRANSISTOR	1	
Q3350-58	2SD601A	TRANSISTOR	9	
Q3450	2SC3757-R	TRANSISTOR	1	
Q3451,52	2SA1226E34	TRANSISTOR	2	
Q3453	2SC3757-R	TRANSISTOR	1	
Q3454	2SC2295	TRANSISTOR	1	
Q3500-02	XN0460100L	TRANSISTOR-RESISTOR	3	
Q3503	XN0121300L	TRANSISTOR-RESISTOR	1	
Q3504	2SC3757-R	TRANSISTOR	1	
Q3530	2SD601A	TRANSISTOR	1	
Q3531,32	2SB709A	TRANSISTOR	2	
Q3535	2SB709A	TRANSISTOR	1	
Q3536	2SD601A	TRANSISTOR	1	
Q3539	2SK198-R	TRANSISTOR	1	2SK01980R
Q3540	2SD1979	TRANSISTOR	1	
Q3600	2SD601A	TRANSISTOR	1	
Q3601	2SB709A	TRANSISTOR	1	
Q3602	2SD601A	TRANSISTOR	1	
Q3603	2SB709A	TRANSISTOR	1	
Q3604	2SD601A	TRANSISTOR	1	
Q3605	2SC3130	TRANSISTOR	1	
Q3606,07	2SD601A	TRANSISTOR	2	
Q3608	2SK198-R	TRANSISTOR	1	2SK01980R
Q3609	2SD601A	TRANSISTOR	1	
Q3610	2SD1979	TRANSISTOR	1	
Q3700	2SD601A	TRANSISTOR	1	
Q3701	2SB709A	TRANSISTOR	1	
Q3702	2SD601A	TRANSISTOR	1	
Q3703	2SB709A	TRANSISTOR	1	
Q3704	2SD601A	TRANSISTOR	1	
Q3705	2SC3130	TRANSISTOR	1	
Q3706,07	2SD601A	TRANSISTOR	2	
Q3708	2SK198-R	TRANSISTOR	1	2SK01980R
Q3709	2SD601A	TRANSISTOR	1	
Q3710	2SD1979	TRANSISTOR	1	
R3100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3101	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3102	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3103	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3104,05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3106	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3107	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R3108	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3109	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3110	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3113	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3114	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3115	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3116	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R3117	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3118	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3119	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3120	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3121	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3122	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3123,24	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R3125	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3150	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3151	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3152	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R3153	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3154	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3155	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3156	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3157	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3160	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3163	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3164	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3165	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3166	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3167	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3171-73	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3175	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3176	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R3177	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3178	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R3179	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R3180	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3181	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3184	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3206	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3207	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3208	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3209	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R3210	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3211	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3212	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3214,15	ERJ3RBD221	M.RESISTOR CH 1/16W 220	2	
R3250,51	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3252	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3253	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3254,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3256,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3258,59	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3260,61	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3262,63	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3264	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3265	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3266	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3267	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3275,76	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3278	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3279-81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3282	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3283	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3284	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3285	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3286	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3287	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3288	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3289	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3290	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3291	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3292	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3293	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3300	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3303	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3304	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3305	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3306	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3308	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3310	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3313	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3317	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3318	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3320	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3322	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3324,25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3326	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3327	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3328	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3329,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3332-35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3351	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3353	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3354	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3356	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3357	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3358,59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3360,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3362	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3363	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3364,65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3366	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3367	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3368,69	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3370-73	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	4	
R3374	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3375	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3376	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3377	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3378	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3379	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3380	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3381	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3382,83	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3384,85	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3386,87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3388	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3390-92	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3393	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3394,95	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3396	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3397	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3398	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3400	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3402	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3404	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3405	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3406-08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3450	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3451	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3452	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3453	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3454	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3455	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3456	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3457	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3458	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3459	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3460	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3461	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3462	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3463	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3467	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3468,69	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3470	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3471	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3472,73	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R3474	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3475,76	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3478	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3479	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3480	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3481	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3482,83	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3484	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3485-89	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3500-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3503-05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3506	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3507,08	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3509-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R3512	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3513	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3514	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R3515	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3516	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3517	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3518	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3519	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3520,21	ERJ3RED680	M.RESISTOR CH 1/16W 68	2	
R3522	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3530	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3531	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3532	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3534	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3535	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3536	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3537	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3538	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3539	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3540	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3541	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3542	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3545	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3546	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3547	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3551	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3554,55	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3556	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3557	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3560,61	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3563	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3564	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3565	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3567	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3568	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3569	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3570	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3571	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3572	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3573	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R3574	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3575	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3576	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3577	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3578	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3579	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3580	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3581	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3584	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3600	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3601	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3602	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3603	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3604-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3608	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3609	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3610	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3612	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3613,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3615	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3616	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3617	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3619	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3620	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3623	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3624	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3626	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3627	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3628	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3629	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3630	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3631	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3632,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3634	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3635	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3636	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3637	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3638	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3639	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3641	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3642,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3644	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3645	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3646	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3647	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3648	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3649	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3650	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3700	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3701	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3702	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3703	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3704-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3708	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3709	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3710	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3711	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3712	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3713,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3715	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3716	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3717	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3719	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3720	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3723	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3724	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3726	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3727	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3728	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3729	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3731	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3732,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3735	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3736	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3737	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3738	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3739	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3741	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3742,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3744	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3745	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3746	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3747	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3748	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3749	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3750	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3800-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3803-05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3820	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3821	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3822	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3829	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3831	D1H84734A008	COMBI.R-R 47K	1	
R3832	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3833	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3834,35	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3836	D1H810240001	COMBI.R-R 1K	1	
R3870	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3871,72	D1H810140001	COMBI.R-R 100	2	
R3874	D1H833040002	COMBI.R-R 33	1	
R3875-77	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3900	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3901,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3903,04	D1H84734A008	COMBI.R-R 47K	2	
R3950	D1H810240001	COMBI.R-R 1K	1	
R3951	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3952	D0GZ103J0001	M.RESISTOR CH 10K	1	
TG3302	EYF6CU	TEST POINT	1	
TG3451	EYF6CU	TEST POINT	1	
TG3531	EYF6CU	TEST POINT	1	
TG3820	EYF6CU	TEST POINT	1	
TP3300,01	EYF6CU	TEST POINT	2	
TP3450	EYF6CU	TEST POINT	1	
TP3821,22	EYF6CU	TEST POINT	2	
TP3824	EYF6CU	TEST POINT	1	
TP3870,71	EYF6CU	TEST POINT	2	
VC3450	VCV0047	TRIMMER	1	
VR3300	EVMEGSA00B53	V.RESISTOR 5K	1	
VR3301	EVMEGSA00B13	V.RESISTOR 1K	1	
VR3450	EVMEGSA00B23	V.RESISTOR 2K	1	
X3300	VSX0338	CRYSTAL OSCILLATOR	1	H1C1435A0002
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

ELECTRICAL REPLACEMENT PARTS LIST (AJ-YA932G)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP83594A	V IN P.C.BOARD	1	(RTL)
C3001-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3007	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3008	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3009	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3013,14	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3015-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3028	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3029	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3030	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3031	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3032-38	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C3039-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C3054-60	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C3061	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3062	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3063-69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3070	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3071	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3072-76	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	5	
C3102-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3105	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3106	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3108,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3110	EEVHB1H4R7	E.CAPACITOR 50V 4.7U	1	
C3111	ECHU1H683JB	P.CAPACITOR 50V 0.068U	1	
C3112	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3113	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C3114	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3115	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C3116	ECHU1C392JA	P.CAPACITOR 16V 3900P	1	
C3117	ECUM1C334KBM	C.CAPACITOR CH 16V 0.33U	1	
C3118	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3119	ECHU1C152JA5	P.CAPACITOR 16V 1500P	1	
C3120	ECUX1C684KBM	C.CAPACITOR CH 16V 0.68U	1	
C3121	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3122,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3124	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3125	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3152	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3157,58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3159	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3160	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3163	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3165-67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3168	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3169-77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3179,80	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3182	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3183,84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3204	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3205	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3206-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3213	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3214-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3253-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3256	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3257	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3258	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3259	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3260,61	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C3262-65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3270	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3272	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3273	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3274	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3275	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3276	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3278	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3279	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C3280,81	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C3282	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3283-86	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3300	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3302	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3303	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3306,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3308	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3309,10	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C3311	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3312-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3316	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C3317	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3318,19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3356-59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C3360	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3361-65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3366,67	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3368,69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3370	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3371,72	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	2	
C3373,74	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	2	
C3375,76	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3377,78	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	2	
C3381,82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3400	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3401	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3404	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3405	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3406,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3411	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3412	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3413,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3450	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3451	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3452	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3453	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3454	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3455	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C3456	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3457	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3459	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3460	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3461	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3462	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3463	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3464	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C3465	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3466	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3467	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3468	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3469	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3470,71	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3472	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3473	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3474	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3475	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3476	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3477-79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3505-07	EEVHB0J101	E.CAPACITOR 6.3V 100U	3	
C3508-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3536	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3538	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3539	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3540,41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3542	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3543	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3546	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3547	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3549-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3552	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3553	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3554	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3555-62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3564	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3606	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3607	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3608	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3609	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3610	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3611-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3615	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3618	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3619	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3620	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3621	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3622,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3624	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3625	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3626-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3636	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3706	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3707	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3708	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3709	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3710	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3711-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3715	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3718	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3719	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3720	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3721	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3722,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3724	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3725	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3726-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3736	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3803-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3820	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3821	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3822-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3828	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3829-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3837	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3870,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3900	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3901-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3950-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D3001-04	MA704A	DIODE	4	
D3100	MA142K	DIODE	1	
D3150	MA3J14300L	DIODE	1	
D3300	MA3J14300L	DIODE	1	
D3350	MA142K	DIODE	1	
D3400	MA142WK	DIODE	1	
D3450	MA142K	DIODE	1	
D3451	MA335-R	DIODE	1	
D3530	MA3J14300L	DIODE	1	
D3600	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
DL3450	VLD0264	COIL	1	G2A7R9C00001
FL3100	VLF1015	FILTER	1	
FL3530	VLF1179	FILTER	1	
FL3600	VLF1476	FILTER	1	J0E3504B0004
FL3700	VLF1476	FILTER	1	J0E3504B0004
IC3001-04	AN77L03M	IC	4	
IC3005	AN77L05M	IC	1	
IC3006,07	NJM78L09UA	IC	2	C0CBAHC00002
IC3008-14	AN77L05M	IC	7	
IC3015-21	C0CBBDB00004	IC	7	
IC3022	C0CBAAB00021	IC	1	
IC3100	C0JBAS000075	IC	1	
IC3101	AN3296S	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3102	SN74LS221NS	IC	1	
IC3150	C0ABFB000012	IC	1	
IC3151	C0ABEB000023	IC	1	
IC3152	C0FBAF000042	IC	1	
IC3153	C0JBAZ001437	IC	1	
IC3154	C0JBAA000261	IC	1	
IC3200	C0JBAA000261	IC	1	
IC3201	CXD2024AQ	IC	1	C1AB00000468
IC3202	C0JBAA000261	IC	1	
IC3300	SN74LV04APW	IC	1	C0JBAB000247
IC3301	SN74LS221NS	IC	1	
IC3302	C0ABFB000012	IC	1	
IC3303	C0ABEB000023	IC	1	
IC3304-06	C0JBAR000111	IC	3	
IC3350	NJM319V	IC	1	
IC3351,52	NJM1496V	IC	2	
IC3400	AN91A12S	IC	1	
IC3450	C0JBAC000158	IC	1	
IC3451	C0JBAB000354	IC	1	
IC3452	C0JBAF000250	IC	1	
IC3453,54	SN74LS221NS	IC	2	
IC3455	C0ABEB000023	IC	1	
IC3456	C0JBAR000111	IC	1	
IC3457	C0JBAZ001003	IC	1	
IC3530	C0JBAS000075	IC	1	
IC3531	C0ABFB000012	IC	1	
IC3532	C0FBAF000042	IC	1	
IC3533	C0ABEB000023	IC	1	
IC3534	AD8055AR	IC	1	C0ABGB000013
IC3600	C0JBAS000075	IC	1	
IC3601	C0ZBZ0000569	IC	1	
IC3602	C0ABFB000012	IC	1	
IC3603	C0ABEB000023	IC	1	
IC3604	C0FBAF000042	IC	1	
IC3700	C0JBAS000075	IC	1	
IC3701	C0ZBZ0000569	IC	1	
IC3702	C0ABFB000012	IC	1	
IC3703	C0ABEB000023	IC	1	
IC3704	C0FBAF000042	IC	1	
IC3800	M62370GP	IC	1	C0FBBD000082
IC3820	C1ZBZ0002123	IC	1	
IC3821	C0JBAA000261	IC	1	
IC3822	AK6440AF	IC	1	
IC3823,24	C0JBAZ001437	IC	2	
IC3870	74LCX244MTCX	IC	1	C0JBAZ000545
IC3871	C0JBAZ001003	IC	1	
IC3900,01	C0JBAZ001121	IC	2	
IC3902	C0JBAZ001137	IC	1	
IC3950	C0JBAZ001003	IC	1	
ID3950	VVVSI3879	SOFTWARE	1	
IP3950	C1ZBZ0001555	IC	1	
L3001	VLF1151A132	COIL	1	
L3004	VLF1151A132	COIL	1	
L3153	G1C101K00022	COIL 100UH	1	
L3155	G1C101K00022	COIL 100UH	1	
L3253,54	VLQ0163J180	COIL 18UH	2	G1C180J00001
L3255,56	VLQ0163J220	COIL 22UH	2	
L3257	VLQ0163J270	COIL 27UH	1	
L3258	VLQ0163J6R8	COIL 6.8UH	1	G1C6R8J00007
L3259	VLQ0163J5R6	COIL 5.6UH	1	
L3353	VLQ0163J470	COIL 47UH	1	
L3354,55	VLQ0163J560	COIL 56UH	2	
L3402	VLQ0133J391	COIL 390UH	1	
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3533	VLQ0133J821	COIL 820UH	1	
L3535	G1C101K00022	COIL 100UH	1	
L3603	VLQ0133J821	COIL 820UH	1	
L3605	G1C101K00022	COIL 100UH	1	
L3703	VLQ0133J821	COIL 820UH	1	
L3705	G1C101K00022	COIL 100UH	1	
P3001	K1KA96B00032	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P3950	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q3100	2SB709A	TRANSISTOR	1	
Q3101	2SD601A	TRANSISTOR	1	
Q3102	XN4501	TRANSISTOR-RESISTOR	1	
Q3150	2SD601A	TRANSISTOR	1	
Q3151	2SC3130	TRANSISTOR	1	
Q3152	2SB709A	TRANSISTOR	1	
Q3153-55	2SD601A	TRANSISTOR	3	
Q3156	2SK198-R	TRANSISTOR	1	2SK01980R
Q3250,51	2SD601A	TRANSISTOR	2	
Q3252,53	2SB709A	TRANSISTOR	2	
Q3254,55	2SD601A	TRANSISTOR	2	
Q3256,57	2SC3130	TRANSISTOR	2	
Q3258-60	2SD601A	TRANSISTOR	3	
Q3261	2SB709A	TRANSISTOR	1	
Q3300,01	2SD601A	TRANSISTOR	2	
Q3350-58	2SD601A	TRANSISTOR	9	
Q3450	2SC3757-R	TRANSISTOR	1	
Q3451,52	2SA1226E34	TRANSISTOR	2	
Q3453	2SC3757-R	TRANSISTOR	1	
Q3454	2SC2295	TRANSISTOR	1	
Q3500-02	XN0460100L	TRANSISTOR-RESISTOR	3	
Q3530	2SD601A	TRANSISTOR	1	
Q3531,32	2SB709A	TRANSISTOR	2	
Q3535	2SB709A	TRANSISTOR	1	
Q3536	2SD601A	TRANSISTOR	1	
Q3539	2SK198-R	TRANSISTOR	1	2SK01980R
Q3600	2SD601A	TRANSISTOR	1	
Q3601	2SB709A	TRANSISTOR	1	
Q3602	2SD601A	TRANSISTOR	1	
Q3603	2SB709A	TRANSISTOR	1	
Q3604	2SD601A	TRANSISTOR	1	
Q3605	2SC3130	TRANSISTOR	1	
Q3606,07	2SD601A	TRANSISTOR	2	
Q3608	2SK198-R	TRANSISTOR	1	2SK01980R
Q3609	2SD601A	TRANSISTOR	1	
Q3700	2SD601A	TRANSISTOR	1	
Q3701	2SB709A	TRANSISTOR	1	
Q3702	2SD601A	TRANSISTOR	1	
Q3703	2SB709A	TRANSISTOR	1	
Q3704	2SD601A	TRANSISTOR	1	
Q3705	2SC3130	TRANSISTOR	1	
Q3706,07	2SD601A	TRANSISTOR	2	
Q3708	2SK198-R	TRANSISTOR	1	2SK01980R
Q3709	2SD601A	TRANSISTOR	1	
R3100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3101	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3102	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3103	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3104,05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3106	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3107	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R3108	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3109	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3110	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R3113	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3114	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3115	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3116	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R3117	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3118	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3119	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3120	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3121	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3122	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3123,24	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R3125	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3150	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3151	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3152	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R3153	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3154	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3155	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3156	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3157	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3160	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3163	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3164	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3165	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3166	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3167	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3171-73	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3175	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3176	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R3177	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3178	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R3179	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R3180	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3181	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3184	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3200	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3206	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3207	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3208	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3209	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R3210	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3211	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3212	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3214,15	ERJ3RBD221	M.RESISTOR CH 1/16W 220	2	
R3250,51	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3252	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3253	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3254,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3256,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3258,59	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3260,61	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3262,63	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3264	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3265	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3266	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3267	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3275,76	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3278	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3279-81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3282	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3283	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3284	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3285	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3286	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3287	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3288	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3289	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3290	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3291	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3292	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3293	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3300	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3303	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3304	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3305	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3306	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3308	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3310,11	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3313	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3314	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3315	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3316	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3317	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3318	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3319	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3320	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3322	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3323-25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3326	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3327	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3328	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3329,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3332-35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3351	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3353	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3354	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3356	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3357	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3358,59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3360,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3362	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3363	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3364,65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3366	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3367	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3368,69	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3370-73	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	4	
R3374	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3375	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3376	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3377	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3378	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3379	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3380	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3381	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3382,83	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3384,85	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3386,87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3388	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3390-92	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3393	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3394,95	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3396	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3397	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3398	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3400	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3402	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3404	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3405	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3406-08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3450	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3451	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3452	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3453	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3454	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3455	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3456	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3457	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3458	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3459	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3460	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3461	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3462	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3463	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3467	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3468,69	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3470	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3471	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3472,73	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R3474	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3475,76	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3478	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3479	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3480	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3481	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3482,83	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3484	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3485-89	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3500-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3503-05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3506	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3507,08	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3509-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R3513	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3516	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3518	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3530	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3531	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3532	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3534	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3535	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3536	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3537	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3538	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3539	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3540	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3541	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3542	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3545	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3546	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3547	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3551	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3554,55	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3556	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3557	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3560,61	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3563	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3564	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3565	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3567	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3568	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3569	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3570	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3571	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3572	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3573	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R3574	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3575	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3576	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3577	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3579	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3600	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3601	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3602	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3603	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3604-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3608	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3609	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3610	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3612	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3613,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3615	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3616	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3617	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3619	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3620	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3623	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3624	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3626	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3627	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3628	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3629	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3630	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3631	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3632,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3634	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3635	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3636	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3637	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3638	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3639	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3641	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3642,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3644	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3645	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3646	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3647	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3648	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3700	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3701	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3702	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3703	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3704-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3708	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3709	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3710	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3711	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3712	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3713,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3715	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3716	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3717	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3719	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3720	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3723	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3724	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3726	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3727	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3728	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3729	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3731	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3732,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3735	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3736	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3737	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3738	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3739	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3741	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3742,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3744	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3745	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3746	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3747	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3748	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3800-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3803-05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3820	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3821	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3822	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3829	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3831	D1H84734A008	COMBI.R-R 47K	1	
R3832	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3833	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3834,35	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3836	D1H810240001	COMBI.R-R 1K	1	
R3870	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3871,72	D1H810140001	COMBI.R-R 100	2	
R3874	D1H833040002	COMBI.R-R 33	1	
R3875-77	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3900	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3901,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3903,04	D1H84734A008	COMBI.R-R 47K	2	
R3950	D1H810240001	COMBI.R-R 1K	1	
R3951	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3952	D0GZ103J0001	M.RESISTOR CH 10K	1	
TG3302	EYF6CU	TEST POINT	1	
TG3451	EYF6CU	TEST POINT	1	
TG3531	EYF6CU	TEST POINT	1	
TG3820	EYF6CU	TEST POINT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TP3300,01	EYF6CU	TEST POINT	2	
TP3450	EYF6CU	TEST POINT	1	
TP3821,22	EYF6CU	TEST POINT	2	
TP3824	EYF6CU	TEST POINT	1	
TP3870,71	EYF6CU	TEST POINT	2	
VC3450	VCV0047	TRIMMER	1	
VR3300	EVMEGSA00B53	V.RESISTOR 5K	1	
VR3301	EVMEGSA00B13	V.RESISTOR 1K	1	
VR3450	EVMEGSA00B23	V.RESISTOR 2K	1	
X3300	H1C1775A0002	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

ELECTRICAL REPLACEMENT PARTS LIST (AJ-YAC930G)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83595A	SDTI P.C.BOARD	1	(RTL)
■ E1	VEP83595A	SDTI P.C.BOARD	1	(RTL)
C3000	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3001,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3003	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3004	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3005,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3100-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3103	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3104-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3108	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3109	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3200,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3202	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3203	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3204-06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C3207	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3208	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3209	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C3210	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C3211	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C3212	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3213-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C3221	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3222	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3223	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3227	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3228	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C3229	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3230,31	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3233	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3300,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3302	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3304-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3307	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3308,09	F1J1C105A091	C.CAPACITOR CH 16V 1U	2	
C3310	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3400	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3401-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	23	
C3425	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
D3202	MA142WA	DIODE	1	
IC3000	C0CBAAG00010	IC	1	
IC3100,01	C0JBAZ001121	IC	2	
IC3102	C0JBAZ001137	IC	1	
IC3103,04	C0JBAZ001728	IC	2	
IC3105	C0JBAZ001121	IC	1	
IC3106	C0CBABE00013	IC	1	
IC3200	C0CBADC00063	IC	1	
IC3201	C1AB00001385	IC	1	
IC3204	C1AB00001651	IC	1	
IC3205	C0CBADC00063	IC	1	
IC3300	C0CBADC00063	IC	1	
IC3301	C1AB00001386	IC	1	
IC3400,01	C0JBAZ001121	IC	2	
IC3402	C1ZBZ0002075	IC	1	
IC3403	C0JBAZ001003	IC	1	
IC3404	C3ABQG000041	IC	1	
ID3400	VVVSI3886	SOFTWEAR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IP3400	C1ZBZ0001555	IC	1	
J3200	K1QZA1BA0001	CONNECTOR	1	
J3300,01	K1QZA1BA0001	CONNECTOR	2	
L3000	VLF1151A132	COIL	1	
L3200	VLQ0426J015	COIL 15UH	1	
L3300,01	VLQ0426J010	COIL 1UH	2	
P3000	K1KA96B00032	CONNECTOR (MALE)	1	
P3400	K1KA08B00147	CONNECTOR (FEMALE)	1	
R3100,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3102	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3103,04	D1H84734A008	COMBI.R-R 47K	2	
R3105	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3106-09	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3110	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3111	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3112,13	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3114	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3115,16	D1H833040002	COMBI.R-R 33	2	
R3117,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3120,21	D0GZ220J0001	M.RESISTOR CH 22	2	
R3200	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R3201	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R3202,03	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3205	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3206	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3212	ERJ3EKF3650	M.RESISTOR CH 1/16W 3.6M	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3216,17	ERJ3RED910	M.RESISTOR CH 1/16W 91	2	
R3223	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3224	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3226-28	D1H810140001	COMBI.R-R 100	3	
R3229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3230,31	ERJ3RED910	M.RESISTOR CH 1/16W 91	2	
R3300	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3301	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3304	ERJ3EKF3740	M.RESISTOR CH 1/16W 370K	1	
R3306	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3307-10	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R3400	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3401,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3403	D1H810240001	COMBI.R-R 1K	1	
R3405	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3406	D1H810240001	COMBI.R-R 1K	1	
R3407	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3408	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3411	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3412-14	D1H810140001	COMBI.R-R 100	3	
R3415	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3420	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	